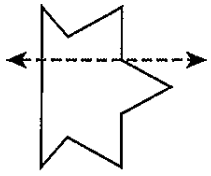
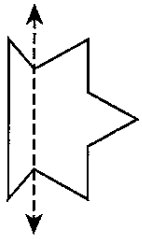
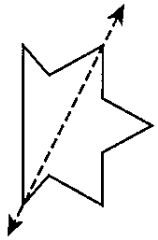
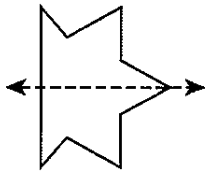
**Unit 8 Test Form B**

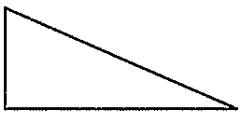
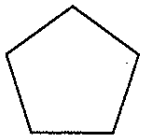
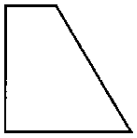
Name _____ Date _____

**Fill in the circle for the correct answer.**

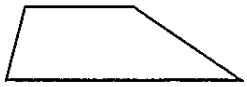
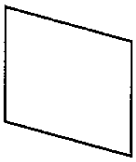
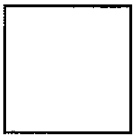
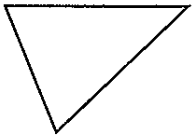
1. Which shows a line of symmetry on the figure?

Ⓐ  Ⓑ  Ⓒ  Ⓓ 

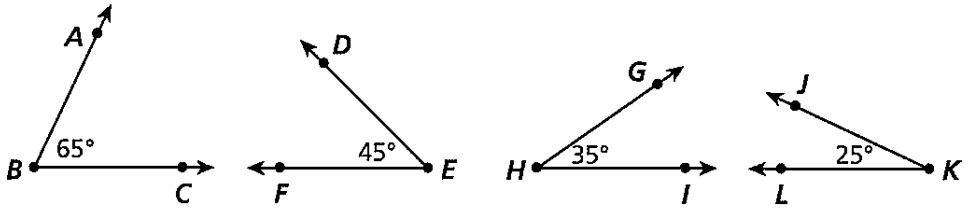
2. Which figure has line symmetry?

Ⓕ  Ⓖ  Ⓗ  Ⓚ

3. Which figure appears to have right angles?

Ⓐ  Ⓑ  Ⓒ  Ⓓ 

4. Which two angles can be put together to make an 80° angle?



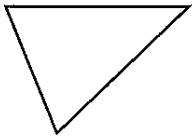
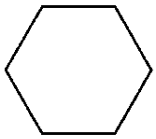
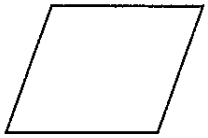
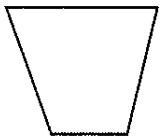

Ⓕ $\angle ABC$ and $\angle GHI$

Ⓖ $\angle DEF$ and $\angle GHI$

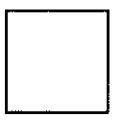
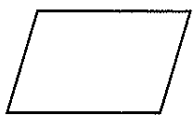
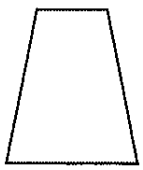
Ⓗ $\angle DEF$ and $\angle JKL$

Ⓚ $\angle GHI$ and $\angle JKL$

5. What figure does **not** appear to have parallel lines?

Ⓐ  Ⓑ  Ⓒ  Ⓓ 

6. In which figure are **all** of the angles acute?

Ⓕ  Ⓖ Ⓗ  Ⓚ 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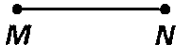
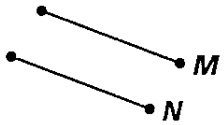
**7.** Which figure can be described as line *MN*?

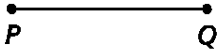
Ⓐ 


Ⓑ


Ⓒ 

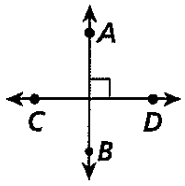

Ⓓ

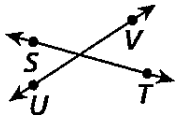

**8.** Which description matches the figure?

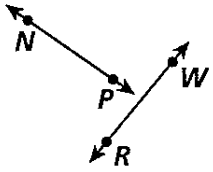


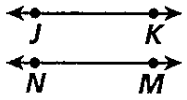

Ⓕ Line Ⓖ Line segment Ⓗ Ray Ⓚ Point

**Use these figures for 9–10.**



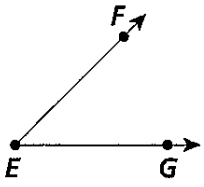

**9.** Which lines are perpendicular?

Ⓐ Lines *AB* and *CD*
Ⓑ Lines *ST* and *UV*
Ⓒ Lines *NP* and *RW*
Ⓓ Lines *JK* and *NM*

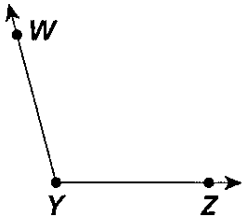
**10.** Which lines are parallel?

Ⓕ Lines *AB* and *CD*
Ⓖ Lines *ST* and *UV*
Ⓗ Lines *NP* and *RW*
Ⓚ Lines *JK* and *NM*

**Which shows the measure of the angle and its type?**

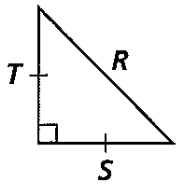
**11.** 


Ⓐ 45°; acute
Ⓑ 55°; acute
Ⓒ 135°; obtuse
Ⓓ 145°; obtuse

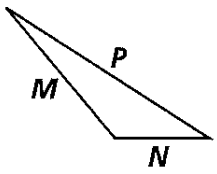
**12.** 


Ⓕ 75°; acute
Ⓖ 85°; acute
Ⓗ 105°; obtuse
Ⓚ 115°; obtuse

**Classify the triangle by its sides.**

**13.** 


Ⓐ equilateral
Ⓑ isosceles
Ⓒ obtuse
Ⓓ scalene

**14.** 


Ⓕ acute
Ⓖ equilateral
Ⓗ isosceles
Ⓚ scalene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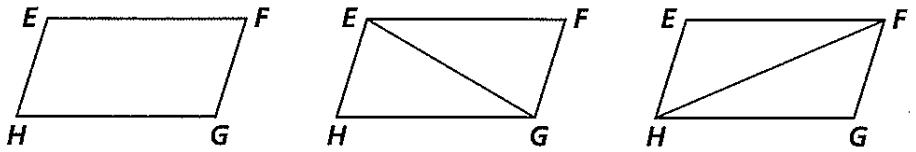
Name _____ Date _____

**15.** Classify the quadrilateral by its angles and its sides. Then tell what types of triangles are made by the diagonals.



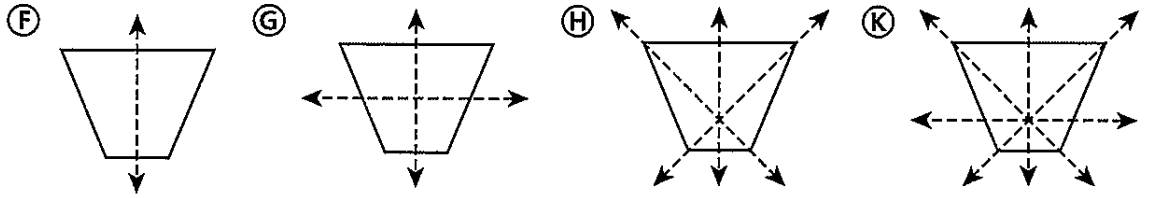

Ⓐ parallelogram; acute triangles; obtuse triangles

Ⓑ rhombus, parallelogram; acute triangles; obtuse triangles

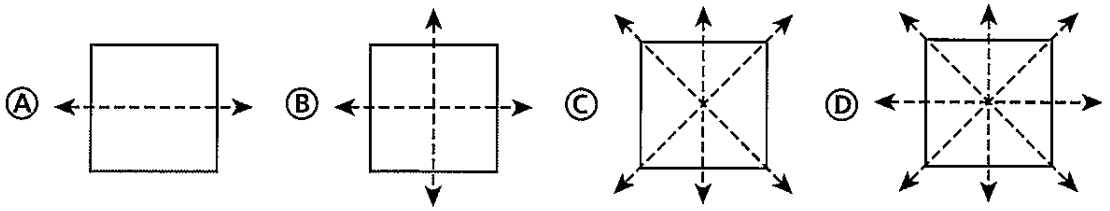
Ⓒ rhombus, parallelogram; acute triangles; acute triangles

Ⓓ rhombus; acute triangles; obtuse triangles

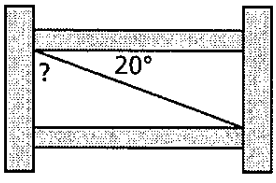
**16.** Which figure shows all of the lines of symmetry?




**17.** Which figure shows all of the lines of symmetry?




**18.** Thom makes a drawing to show a diagonal post between the slats of a wooden fence. What is the measure of the unknown angle?




Ⓕ 160° Ⓖ 110° Ⓗ 90° Ⓚ 70°

**19.** Kate bought some stepping stones for her garden. The stones have two pairs of parallel sides, and all sides are the same length. What is the shape of the stones?

Ⓐ triangle Ⓑ rhombus Ⓒ trapezoid Ⓓ pentagon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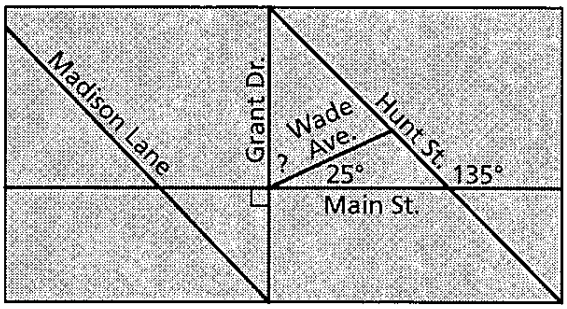
Name _____ Date _____

**Use the map for 20–23.**




**20.** Which two streets in the map appear to be parallel?

Ⓕ Madison Lane and Hunt Street
Ⓖ Madison Lane and Grant Drive
Ⓗ Grant Drive and Main Street
Ⓚ Grant Drive and Hunt Street

**21.** Wade Avenue, Hunt Street, and Main Street form a triangle around a building. What is the triangle classified by its angles and its sides?

Ⓐ acute scalene
Ⓑ obtuse scalene
Ⓒ acute isosceles
Ⓓ obtuse isosceles

**22.** What is the measure of the acute angle formed by Grant Drive and Wade Avenue?

Ⓕ 25° Ⓖ 45° Ⓗ 65° Ⓚ 75°

**23.** Which two streets are perpendicular?

Ⓐ Hunt Street and Wade Avenue
Ⓑ Madison Lane and Hunt Street
Ⓒ Grant Drive and Wade Avenue
Ⓓ Grant Drive and Main Street

**24.** Pat sets a rotating sprinkler to stop at 160°. If the sprinkler turns in one-degree sections, how many turns will the sprinkler make?

Ⓕ 100 Ⓖ 160 Ⓗ 180 Ⓚ 360

**25.** A watch gear turns 25° and stops. It then turns another 35° and stops. How many times will the watch gear repeat these turns until it completes the circle?

Ⓐ 8 Ⓑ 7 Ⓒ 6 Ⓓ 5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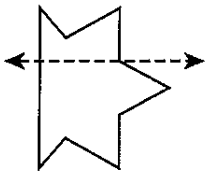
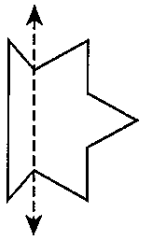
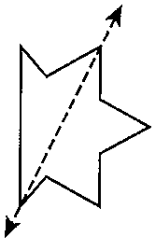
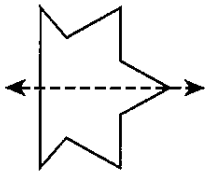
**Unit 8 Test**
**Form B**

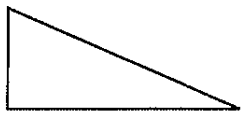
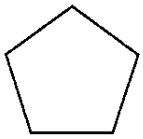
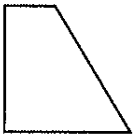
Name _____ Date _____

**Fill in the circle for the correct answer.**

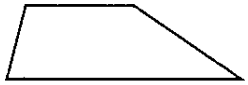
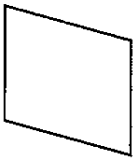
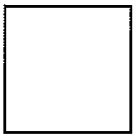
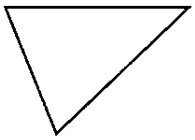
1. Which shows a line of symmetry on the figure?

Ⓐ 
Ⓑ 
Ⓒ 
● 

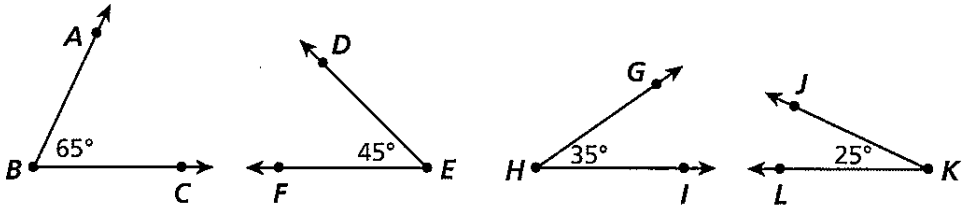
2. Which figure has line symmetry?

Ⓕ 
● 
Ⓗ 
Ⓚ

3. Which figure appears to have right angles?

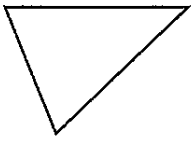
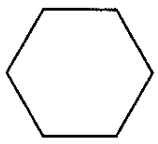
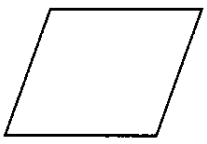
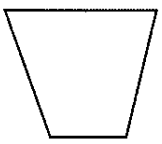
Ⓐ 
Ⓑ 
● 
Ⓓ 

4. Which two angles can be put together to make an 80° angle?

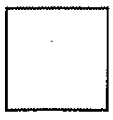
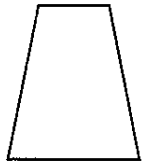



Ⓕ ∠*ABC* and ∠*GHI*
Ⓗ ∠*DEF* and ∠*JKL*
● ∠*DEF* and ∠*GHI*
Ⓚ ∠*GHI* and ∠*JKL*

5. What figure does **not** appear to have parallel lines?

● 
Ⓑ 
Ⓒ 
Ⓓ 

6. In which figure are **all** of the angles acute?

Ⓕ 
●
Ⓗ
Ⓚ 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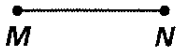
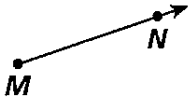
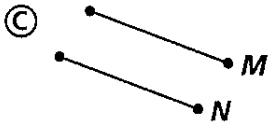
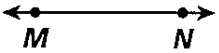
**7.** Which figure can be described as line *MN*?

Ⓐ 


Ⓑ 

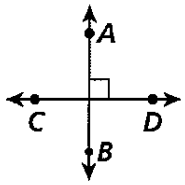

Ⓒ 

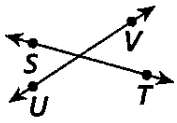

● 

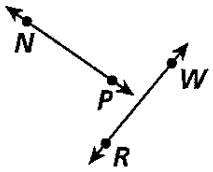

**8.** Which description matches the figure?

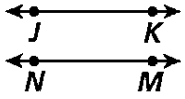
Ⓕ Line ● Line segment Ⓗ Ray Ⓚ Point

**Use these figures for 9–10.**



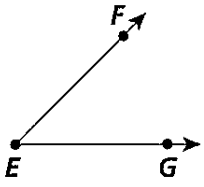

**9.** Which lines are perpendicular?

● Lines *AB* and *CD*
Ⓑ Lines *ST* and *UV*
Ⓒ Lines *NP* and *RW*
Ⓓ Lines *JK* and *NM*

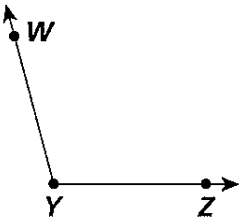
**10.** Which lines are parallel?

Ⓕ Lines *AB* and *CD*
Ⓖ Lines *ST* and *UV*
Ⓗ Lines *NP* and *RW*
● Lines *JK* and *NM*

**Which shows the measure of the angle and its type?**

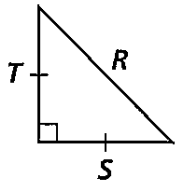
**11.** 


● 45°; acute
Ⓑ 55°; acute
Ⓒ 135°; obtuse
Ⓓ 145°; obtuse

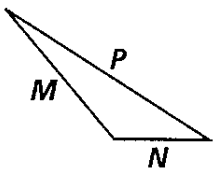
**12.** 


Ⓕ 75°; acute
Ⓖ 85°; acute
● 105°; obtuse
Ⓚ 115°; obtuse

**Classify the triangle by its sides.**

**13.** 


Ⓐ equilateral
● isosceles
Ⓒ obtuse
Ⓓ scalene

**14.** 


Ⓕ acute
Ⓖ equilateral
Ⓗ isosceles
● scalene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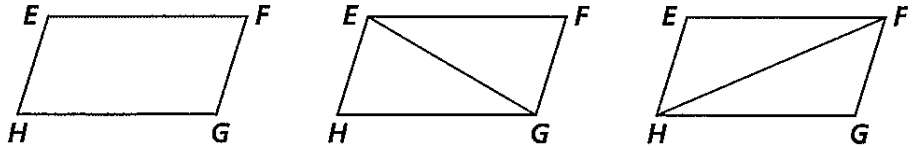
**15.** Classify the quadrilateral by its angles and its sides. Then tell what types of triangles are made by the diagonals.



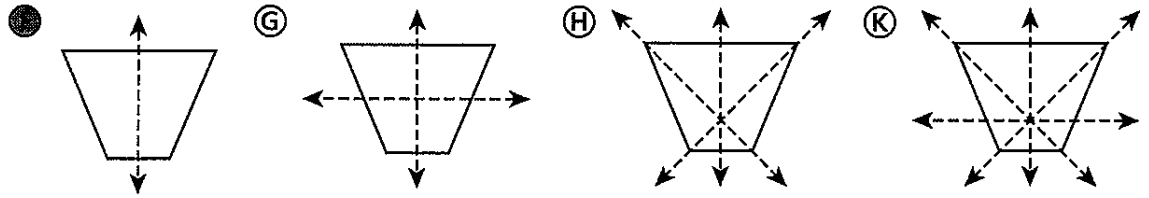

Ⓐ parallelogram; acute triangles; obtuse triangles

● rhombus, parallelogram; acute triangles; obtuse triangles

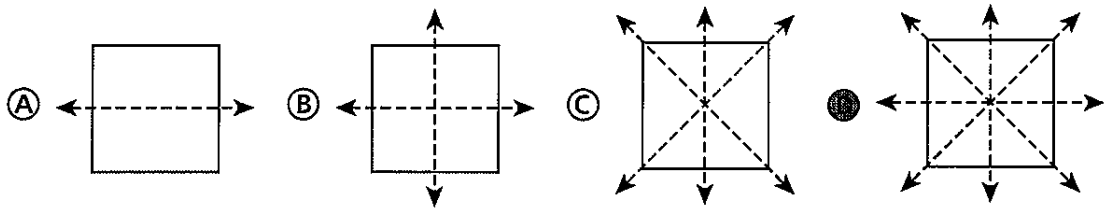
Ⓒ rhombus, parallelogram; acute triangles; acute triangles

Ⓓ rhombus; acute triangles; obtuse triangles

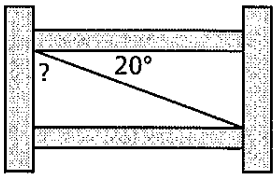
**16.** Which figure shows all of the lines of symmetry?




**17.** Which figure shows all of the lines of symmetry?




**18.** Thom makes a drawing to show a diagonal post between the slats of a wooden fence. What is the measure of the unknown angle?




Ⓕ 160° Ⓖ 110° Ⓗ 90° ● 70°

**19.** Kate bought some stepping stones for her garden. The stones have two pairs of parallel sides, and all sides are the same length. What is the shape of the stones?

Ⓐ triangle ● rhombus Ⓒ trapezoid Ⓓ pentagon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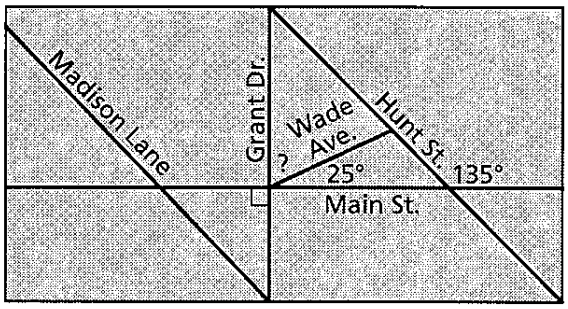
Name _____ Date _____

**Use the map for 20–23.**




**20.** Which two streets in the map appear to be parallel?

- ● Madison Lane and Hunt Street
- Ⓖ Madison Lane and Grant Drive
- Ⓗ Grant Drive and Main Street
- Ⓚ Grant Drive and Hunt Street

**21.** Wade Avenue, Hunt Street, and Main Street form a triangle around a building. What is the triangle classified by its angles and its sides?

- Ⓐ acute scalene
- ● obtuse scalene
- Ⓒ acute isosceles
- Ⓓ obtuse isosceles

**22.** What is the measure of the acute angle formed by Grant Drive and Wade Avenue?

Ⓕ 25° Ⓖ 45° ● 65° Ⓚ 75°

**23.** Which two streets are perpendicular?

- Ⓐ Hunt Street and Wade Avenue
- Ⓑ Madison Lane and Hunt Street
- Ⓒ Grant Drive and Wade Avenue
- ● Grant Drive and Main Street

**24.** Pat sets a rotating sprinkler to stop at 160°. If the sprinkler turns in one-degree sections, how many turns will the sprinkler make?

Ⓕ 100 ● 160 Ⓗ 180 Ⓚ 360

**25.** A watch gear turns 25° and stops. It then turns another 35° and stops. How many times will the watch gear repeat these turns until it completes the circle?

Ⓐ 8 Ⓑ 7 ● 6 Ⓓ 5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