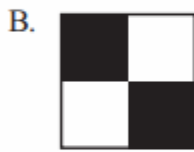
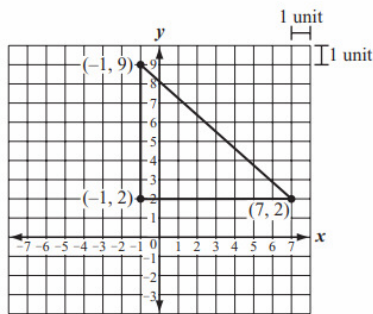


Name.....Period.....

Which of the following figures has 90° rotational symmetry?



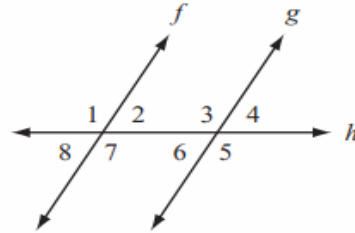
8 A triangle is shown on the coordinate plane below.



What is the area of the triangle?

- A. 21 square units
- B. 26 square units
- C. 28 square units
- D. 56 square units

In the diagram below, line h is a transversal of lines f and g .



Which of the following relationships proves that lines f and g are parallel?

- A. $\angle 1 \cong \angle 4$
- B. $\angle 1 \cong \angle 5$
- C. $\angle 1 \cong \angle 6$
- D. $\angle 1 \cong \angle 7$

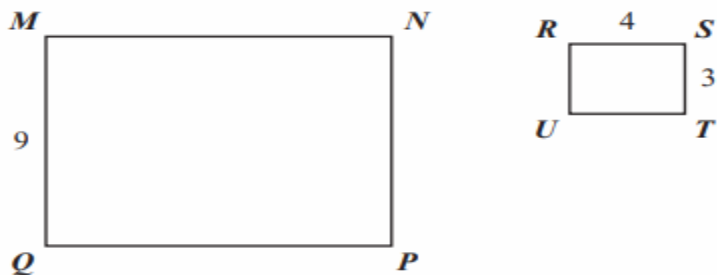
The radius of a large sphere is 8 times the radius of a small sphere.

The surface area of the large sphere is how many times the surface area of the small sphere?

- A. 8
- B. 32
- C. 64
- D. 512

2.

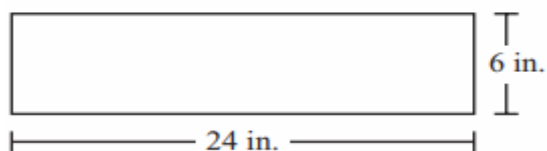
In the diagram below, rectangle $MNPQ$ is similar to rectangle $RSTU$.



Based on the given dimensions, what is the length of \overline{QP} ?

3.

The diagram below shows a rectangle and its dimensions.



A square has the same area as the rectangle. What is the length of each side of the square?

- A. 12 in.
- B. 15 in.
- C. 30 in.
- D. 36 in.