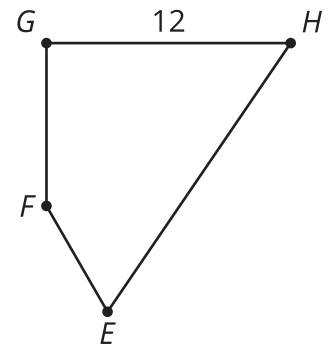
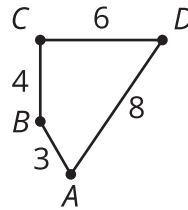


## Mid-Unit Assessment (A)

You will need a centimeter ruler for the problem in which you draw a bedroom floor plan.

- 1 Quadrilateral  $EFGH$  is a scaled copy of quadrilateral  $ABCD$ . Select **all** of the true statements.



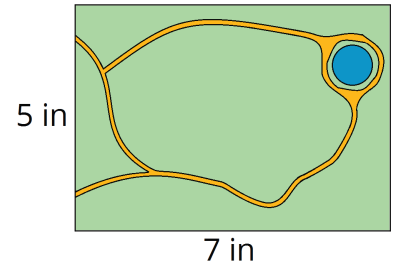
- A. Segment  $EF$  is twice as long as segment  $AB$ .
- B. Segment  $CD$  is twice as long as segment  $FG$ .
- C. The measure of angle  $HEF$  is twice the measure of angle  $DAB$ .
- D. The length of segment  $EH$  is 16 units.
- E. The area of  $EFGH$  is twice the area of  $ABCD$ .

- 2 Rectangle A measures 9 inches by 3 inches. Rectangle B is a scaled copy of Rectangle A. Select **all** of the measurement pairs that could be the dimensions of Rectangle B.

- A. 4.5 inches by 1.5 inches
- B. 8 inches by 2 inches
- C. 10 inches by 4 inches
- D. 13.5 inches by 4.5 inches
- E. 90 inches by 30 inches

3

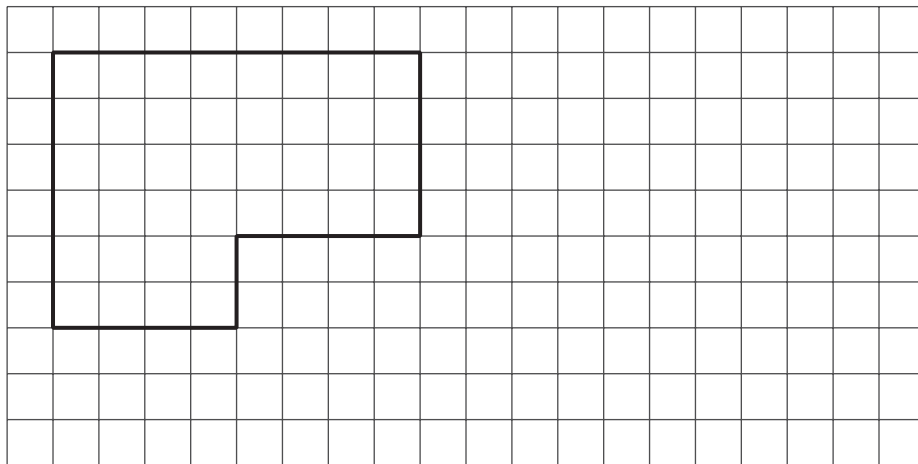
A scale drawing of a rectangular park is 5 inches wide and 7 inches long. The actual park is 280 yards long. What is the area of the actual park, in square yards?



- A. 35
- B. 200
- C. 1,400
- D. 56,000

4

Here is a polygon. Draw a scaled copy of the polygon using a scale factor of  $\frac{1}{2}$ .



5

The scale of a map says that 4 cm represents 5 km.

- a. What distance on the map represents an actual distance of 10 km?
- b. What actual distance is represented by 10 cm on the map?

