

Rally Coach

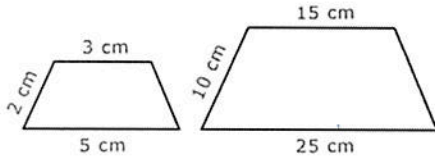
Directions: Take turns doing problems.

Name: _____

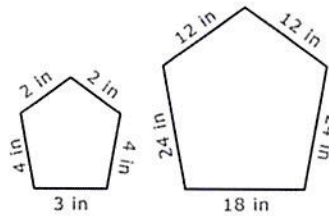
Name: _____

Determine the SCALE FACTOR from the figure on the left to the figure on the right.

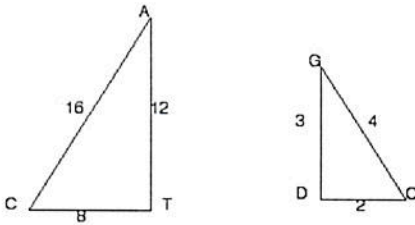
1.



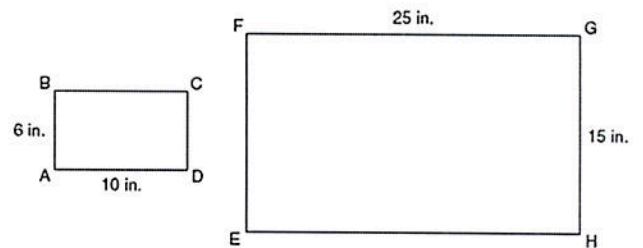
2.



3.

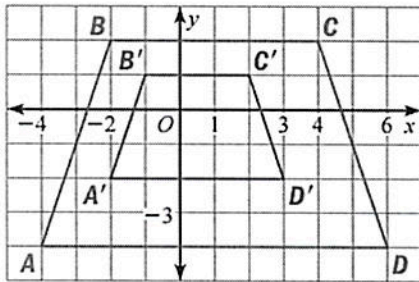


4.



Determine the SCALE FACTOR from the preimage to the image.

5. Which of the following choices is the scale factor?



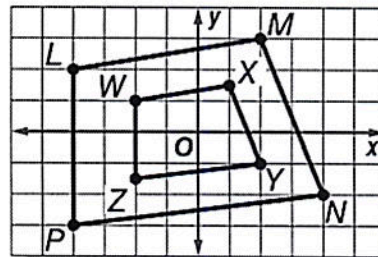
F. $\frac{1}{4}$

G. $\frac{1}{2}$

H. 2

I. 3

6. Quadrilateral $LMNP$ was dilated to form quadrilateral $WXYZ$. Which of the following choices is the scale factor?



F. 3

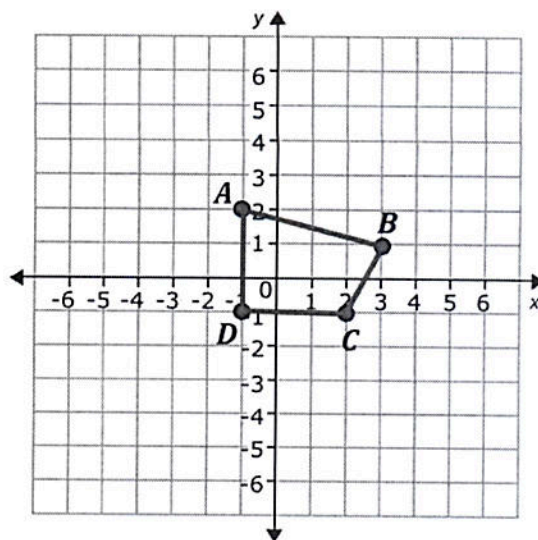
H. 2

G. $\frac{1}{2}$

J. $\frac{1}{3}$

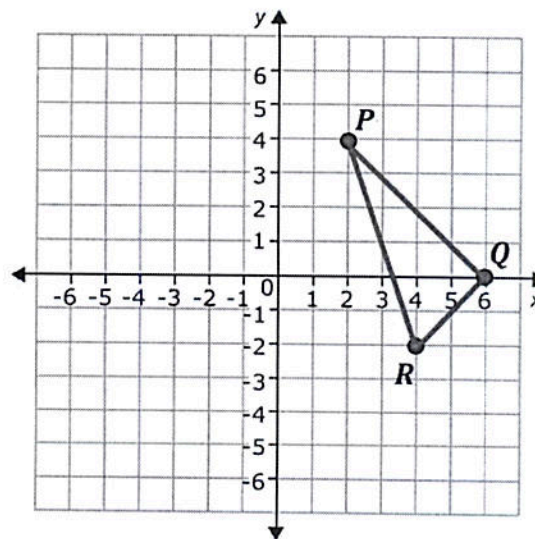
7. Graph the quadrilateral $A'B'C'D'$ after dilation with scale factor of 3, centered at $(0,0)$. Write the coordinates of the image in the space provided.

A'	(____, ____)
B'	(____, ____)
C'	(____, ____)
D'	(____, ____)



8. Graph the triangle $P'Q'R'$ after dilation with scale factor of $\frac{1}{2}$, centered at $(0,0)$. Write the coordinates of the image in the space provided.

P'	(____, ____)
Q'	(____, ____)
R'	(____, ____)



Together now.

Graph the preimage with the following vertices:
 $E(-6, 2)$, $L(2, 2)$, $S(2, 0)$, $A(-6, 0)$

- a) Dilate the pre-image from the origin by a scale factor of $\frac{1}{2}$. List the vertices of the image.

E'	(____, ____)
L'	(____, ____)
S'	(____, ____)
A'	(____, ____)

- b) Graph the image, $E'L'S'A'$.

