

# Independent Practice: DILATIONS

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

PERIOD: \_\_\_\_\_

For # 1 – 6, using the given scale factor, dilate the following figures and state the new coordinates. Graph the image. Finally, state whether it is an ENLARGEMENT or REDUCTION.

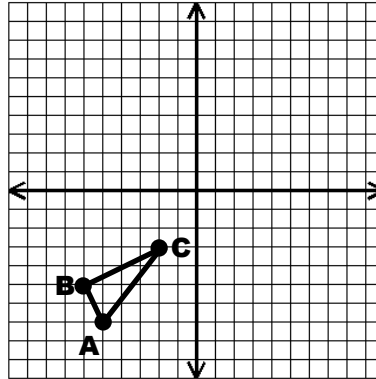
1. A' (\_\_\_\_\_, \_\_\_\_\_)

B' (\_\_\_\_\_, \_\_\_\_\_)

C' (\_\_\_\_\_, \_\_\_\_\_)

\_\_\_\_\_

Scale Factor:  $k = 3$



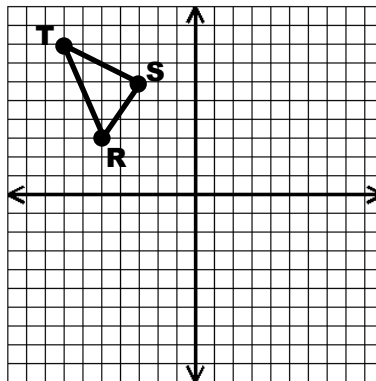
2. S' (\_\_\_\_\_, \_\_\_\_\_)

T' (\_\_\_\_\_, \_\_\_\_\_)

R' (\_\_\_\_\_, \_\_\_\_\_)

\_\_\_\_\_

Scale Factor:  $k = \frac{1}{2}$



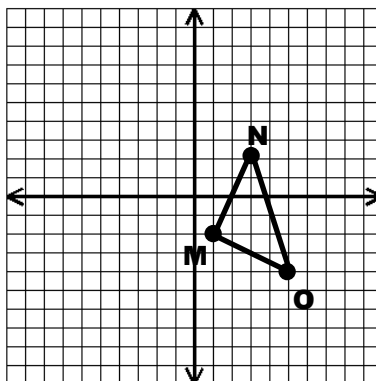
3. M' (\_\_\_\_\_, \_\_\_\_\_)

N' (\_\_\_\_\_, \_\_\_\_\_)

O' (\_\_\_\_\_, \_\_\_\_\_)

\_\_\_\_\_

Scale Factor:  $k = \frac{3}{2}$



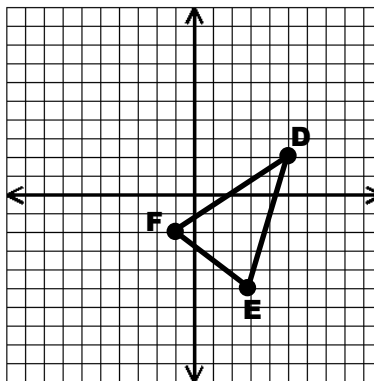
4. E' (\_\_\_\_\_, \_\_\_\_\_)

D' (\_\_\_\_\_, \_\_\_\_\_)

F' (\_\_\_\_\_, \_\_\_\_\_)

\_\_\_\_\_

Scale Factor:  $k = 1$



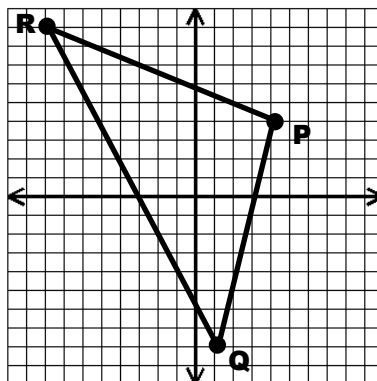
5. P' (\_\_\_\_\_, \_\_\_\_\_)

R' (\_\_\_\_\_, \_\_\_\_\_)

Q' (\_\_\_\_\_, \_\_\_\_\_)

\_\_\_\_\_

Scale Factor:  $k = 0.75$



6. X' (\_\_\_\_\_, \_\_\_\_\_)

Z' (\_\_\_\_\_, \_\_\_\_\_)

Y' (\_\_\_\_\_, \_\_\_\_\_)

\_\_\_\_\_

Scale Factor:  $k = 10$

