

Changing Shapes II

Name _____

Period _____

Find the dilated figures new coordinates based on the given scale factors.

1) A(6, 8) B(4, 5) C(11, 7) Dilate 75%

A'(,) B'(,) C'(,)

2) D(5, -8) E(10, -3) F(6, -3) Dilate 120%

D'(,) E'(,) F'(,)

3) G(4, 0) H(-8, 2) I(-10, -1) J(-3, -12)

Dilate 25%

G'(,) H'(,) I'(,)

J'(,)

4) K(1, 6) L(8, -3) M(-9, 5) N(-7, -4)

Dilate 200%

K'(,) L'(,) M'(,)

N'(,)

5) What are the characteristics of similar figures?