

Name : \_\_\_\_\_

## Coordinate Rule

Sheet 3

Write the coordinate rule with the given center and scale factor (k).

1) center :  $(-3, 1.5)$  ,  $k = 3.6$

2) center :  $(-4, -8)$  ,  $k = \frac{3}{4}$

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3) center :  $(\frac{7}{6}, 7)$  ,  $k = \frac{6}{6}$

4) center :  $(10, -9)$  ,  $k = 2$

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\_\_\_\_\_

5) center :  $(-2, -4)$  ,

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,  $k = \frac{8}{9}$

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7) center :  $(1, 2)$  ,  $k =$

$k = 3$

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\_\_\_\_\_

9) center :  $(6, -3)$  ,  $k = 9$

10) center :  $(-8, -5)$  ,  $k = 0.2$

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## Coordinate Rule

Write the coordinate rule with the given center and scale factor (k).

1) center :  $(-3, 1.5)$  ,  $k = 3.6$

$(3.6x + 7.8, 3.6y - 3.9)$

2) center :  $(-4, -8)$  ,  $k = \frac{3}{4}$

$(\frac{3}{4}x - 1, \frac{3}{4}y - 2)$

3) center :  $(\frac{7}{6}, 7)$  ,  $k = \frac{6}{7}$

$(\frac{6}{7}x + \frac{1}{6},$

4) center :  $(10, -9)$  ,  $k = 2$

$0, 2y + 9)$

5) center :  $(-2, -4)$  ,

$(7x + 12,$

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$k = \frac{8}{9}$

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$\frac{1}{9}, \frac{8}{9}y + \frac{1}{9})$

7) center :  $(1, 2)$  ,  $k =$

$(\frac{9}{7}x - \frac{2}{7}, \frac{9}{7}y - \frac{2}{7})$

$k = 3$

$(3x - 14, 3y - 12)$

9) center :  $(6, -3)$  ,  $k = 9$

$(9x - 48, 9y + 24)$

10) center :  $(-8, -5)$  ,  $k = 0.2$

$(0.2x - 6.4, 0.2y - 4)$