

## Center of Dilation

Find the center of dilation.

- 1)  $J(8, 1), K(8, -4), L(13, -9), M(13, -4)$  are dilated to  $J'(4, -7), K'(4, -8), L'(5, -9), M'(5, -8)$ ,  $k = 0.2$

Center = \_\_\_\_\_

- 2)  $X(9, -3), Y(-5, 13), Z(7, 5)$  are dilated to  $X'(10.5, -5), Y'(-7, 15), Z'(8, 5)$ ,  $k = \frac{5}{4}$

Center = \_\_\_\_\_

- 3)  $Q(-8, 1), R(6, -3), S(13, -5), T(-4, -8)$ ,  $k = 1.5$

Center = \_\_\_\_\_

- 4)  $A(-3, -5), B(-1, -4), C(1, -3), D(3, -2), E(2, 7)$ ,  $k = 5$

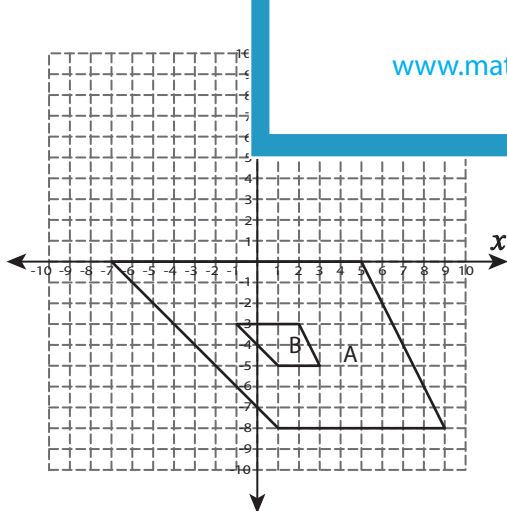
Center = \_\_\_\_\_

- 5)  $T(-6, -2), U(1, -9), V(4, -8), W(9, 2), W'(-3, 6)$ ,  $k = \frac{4}{7}$

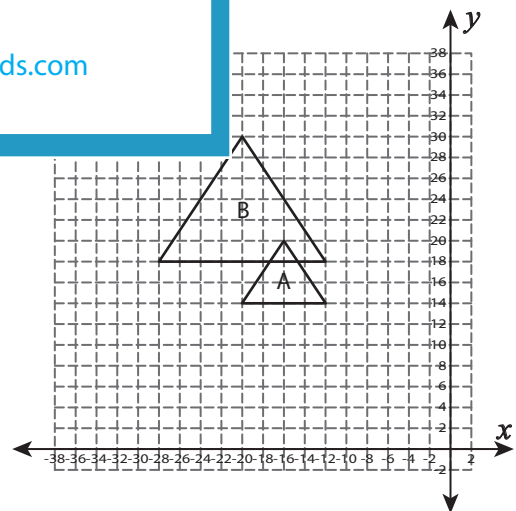
Center = \_\_\_\_\_

Figure A is a dilated image of Figure B.

- 1)  $k = 4$



Center = \_\_\_\_\_



Center = \_\_\_\_\_

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**Center of Dilation**

Find the center of dilation.

- 1)  $J(8, 1), K(8, -4), L(13, -9), M(13, -4)$  are dilated to  $J'(4, -7), K'(4, -8), L'(5, -9), M'(5, -8)$ ,  $k = 0.2$

Center =           **(3, -9)**          

- 2)  $X(9, -3), Y(-5, 13), Z(7, 5)$  are dilated to  $X'(10.5, -5), Y'(-7, 15), Z'(8, 5)$ ,  $k = \frac{5}{4}$

Center =           **(3, 5)**          

- 3)  $Q(-8, 1), R(6, -3), S(13, -5), T(13, -5), T'(-4, -8)$ ,  $k = 1.5$

Center =           **(3, -5)**          

- 4)  $A(-3, -5), B(-1, -4), C(1, -3), D(3, -2), E(5, -1), F(7, 0), G(9, 1), H(11, 2)$ ,  $k = 5$

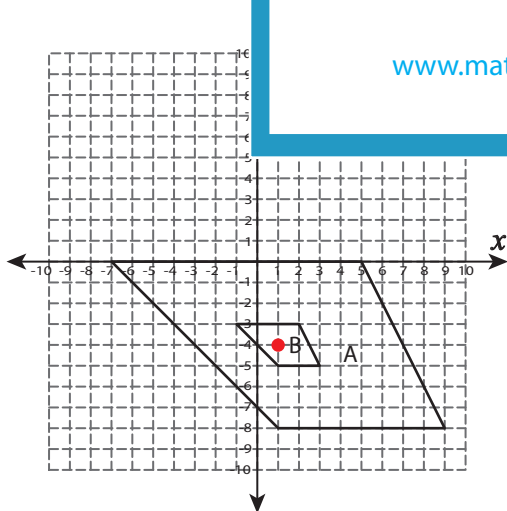
Center =           **(3, -5)**          

- 5)  $T(-6, -2), U(1, -9), V(4, -12), W(7, -15), X(10, -18), Y(13, -21), Z(16, -24), A(9, 2), W'(-3, 6)$ ,  $k = \frac{4}{7}$

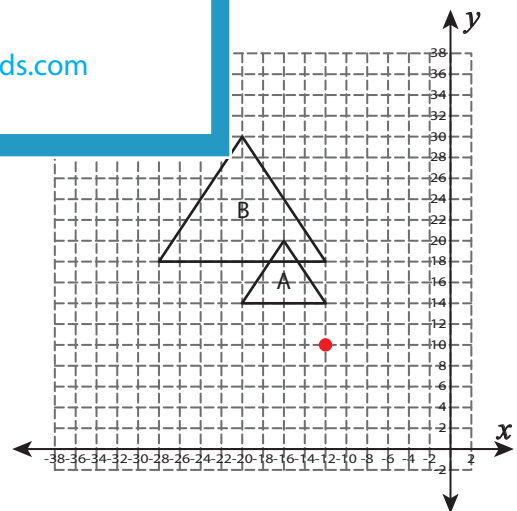
Center =           **(3, -5)**          

Figure A is a dilated image of Figure B.

- 1)  $k = 4$



Center =           **(1, -4)**          



Center =           **(-12, 10)**          

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