

## Center of Dilation

Find the center of dilation.

- 1)  $Q(10, -3), R(2, -7), S(6, 1)$  are dilated to  $Q'(1, 3), R'(-1, 2), S'(0, 4), k = \frac{1}{4}$

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

- 2)  $A(-3, 5), B(1, 4), C(0, -1), D(-2, -2)$  are dilated to  $A'(-31, 12), B'(1, 4), C'(-7, -36), D'(-23, -44), k = 8$

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

- 3)  $E(3, -6), F(9, -6), G(5, 5)$  are dilated to  $E'(-3, -6), F'(-9, -6), G'(-1, 5), k = \frac{1}{5}$

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

- 4)  $S(1, 1), T(-5, 3), U(-1, 5)$  are dilated to  $S'(5, -2), T'(-5, -4), U'(-1, -4), k = 0.5$

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

- 5)  $K(9, 6), L(12, 5), M(7, 7)$  are dilated to  $K'(3, 2), L'(12, 5), M'(1, 15), k = 3$

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

Figure A is a dilated image of Figure B.

- 1)  $k = \frac{3}{4}$

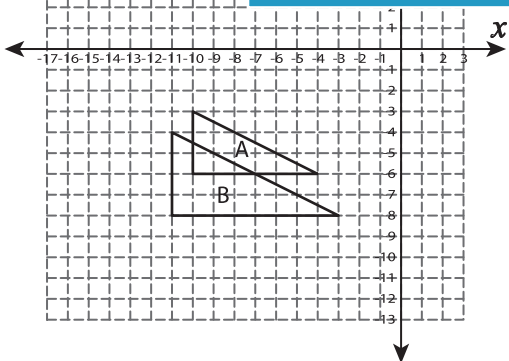
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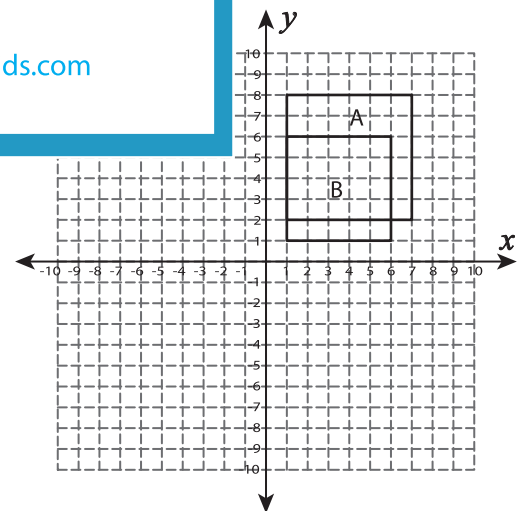
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Center = \_\_\_\_\_



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