

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

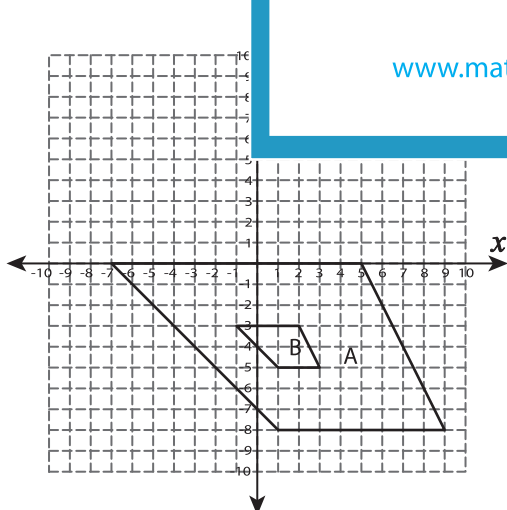
Center = _____

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

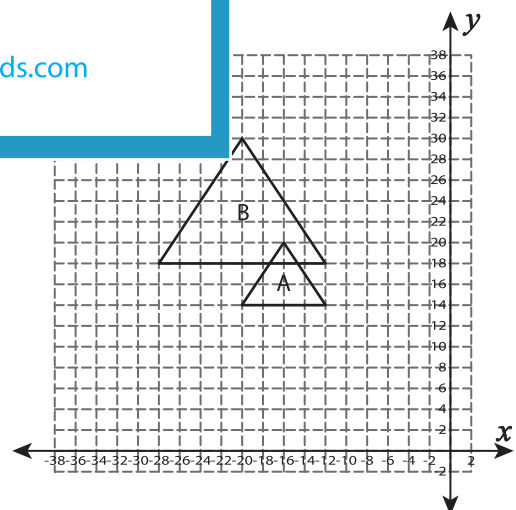
Center = _____

Figure A is a dilated image of Figure B.

- 1) $k = 4$



Center = _____



Center = _____

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