

Center of Dilation

Find the center of dilation.

- 1) $R(4, 2), S(8, -6), T(6, -8), U(2, -4)$ are dilated to $R'(-16, 17), S'(-2, -11), T'(-9, -18), U'(-23, -4), k = \frac{7}{2}$

Center = _____

- 2) $E(6, 1), F(10, 5), G(2, 9)$ are dilated to $E'(6, -2), F'(7, -1), G'(5, 0), k = 0.25$

Center = _____

- 3) $C(-1, 6), D(5, 0), E(-10, -31), F(-37, 5), k = 6$

Center = _____

- 4) $V(13, 4), W(21, -4), X(10, -10), Y(1, -12), k = 4$

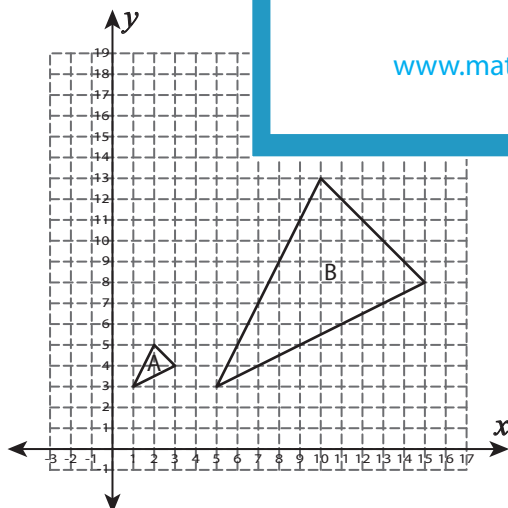
Center = _____

- 5) $Q(-6, 5), R(-5, 7), S(1, 1), T(1, 3), k = 4$

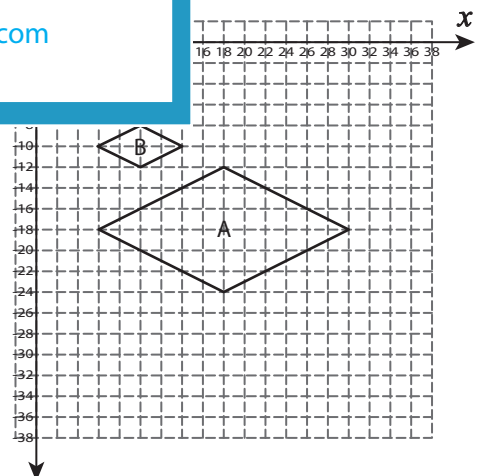
Center = _____

Figure A is a dilated image of Figure B.

- 1) $k = 0.2$



Center = _____



Center = _____

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- 1) $R(4, 2), S(8, -6), T(6, -8), U(2, -4)$ are dilated to $R'(-16, 17), S'(-2, -11), T'(-9, -18), U'(-23, -4), k = \frac{7}{2}$

Center = **(12, -4)**

- 2) $E(6, 1), F(10, 5), G(2, 9)$ are dilated to $E'(6, -2), F'(7, -1), G'(5, 0), k = 0.25$

Center = **(6, -3)**

- 3) $C(-1, 6), D(5, 0), E(-1, -3), F(-1, -31), F'(-37, 5), k = 6$

Center = **(-1, -18)**

- 4) $V(13, 4), W(21, -4), X(1, 1), Y(1, 13)$

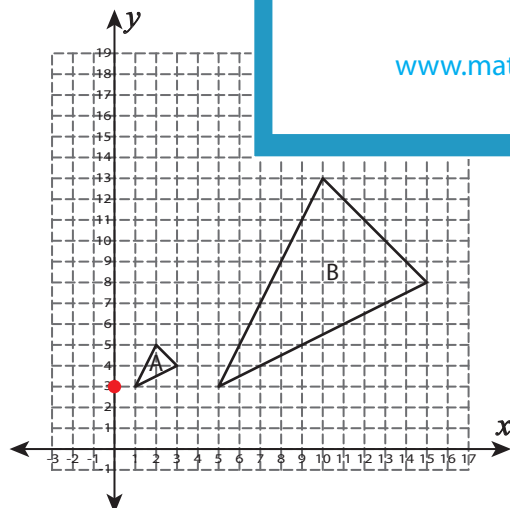
Center = **(12, 8)**

- 5) $Q(-6, 5), R(-5, 7), S(1, 1), T(1, 1), T'(1, 1), k = 4$

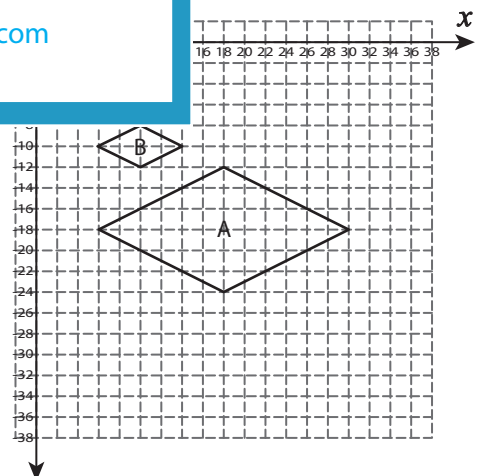
Center = **(1, 1)**

Figure A is a dilated image of Figure B.

- 1) $k = 0.2$



Center = **(0, 3)**



Center = **(6, -6)**

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