Name : _____

Center of Dilation

Sheet 3

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(– , –31), F′(–37, 5), k = 6

Center = _____

4) V(13, 4), W(21, –4),

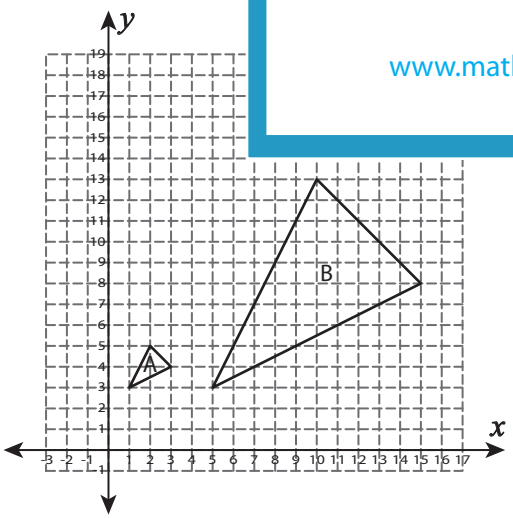
Center = _____

5) Q(–6, 5), R(–5, 7), S(= 4

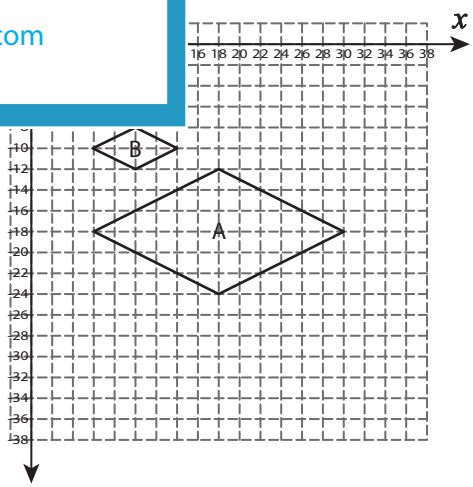
Center = _____

Figure A is a dilated ima

1) k = 0.2



Center = _____



Center = _____

Name : _____

Answer key

Center of Dilation

Sheet 3

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 = **(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(– , –31), F′(–37, 5), k = 6

Center = **(**

4) V(13, 4), W(21, –4),

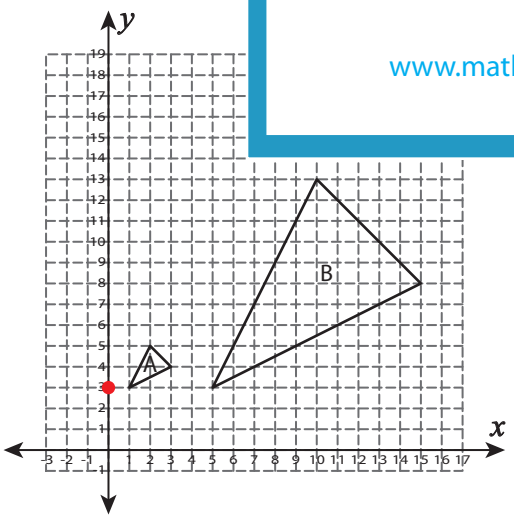
Center = _____

5) Q(–6, 5), R(–5, 7), S(, k = 4

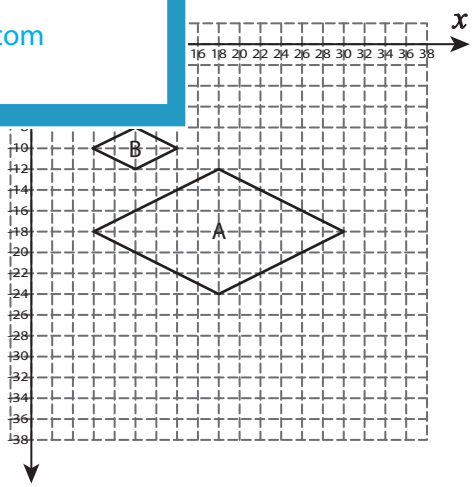
Center = _____

Figure A is a dilated ima

1) k = 0.2



Center = **(0, 3)**



Center = **(6, –6)**