

Original Coordinates

Dilated coordinates of the image are given. Find the original coordinates with the given center and scale factor(k).

1) $F'(-17, -3), G'(-8, 6), H'(1, 15)$

center : $(-8, 6), k = 9$

F : _____ , G : _____

H : _____

2) $S'(6, 10), T'(14, 6), U'(12, -8), V'(-8, 4)$

center : $(2, 0), k = 2$

S : _____ , T : _____

U : _____ , V : _____

3) $W'(-23, 25), X'(-7, -23), Y'(1, -13)$

center : $(9, -7), k = 3.2$

W : _____ ,

Y : _____ ,

5) $J'(-3, -5), K'(0, -7), L'(1, -13)$

center : $(4, 1), k = 0.25$

J : _____ ,

L : _____

$R'(1, -9), S'(-3, -5)$

$\frac{1}{2}$

_____ , Q : _____

_____ , S : _____

$T'(-13), F'(-4, -16), G'(-19, -16)$

$k = 3$

_____ , E : _____

_____ , G : _____

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7) $A'(1, 11), B'(1, 9), C'(-4, 10), D'(-4, -8)$

center : $(-9, -8), k = 0.5$

A : _____ , B : _____

C : _____ , D : _____

8) $L'(3, -2), M'(-1, -6), N'(7, 2)$

center : $(3, -6), k = \frac{4}{3}$

L : _____ , M : _____

N : _____