

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

1) $P'(-11, 2), Q'(1, 2), R'(-5, 8), S'(-8, 5)$

center : $(-5, 5), k = 0.3$

P : _____ , Q : _____

R : _____ , S : _____

2) $A'(-13, 12), B'(-6, -2), C'(8, 5), D'(1, -9)$

center : $(1, -2), k = \frac{7}{2}$

A : _____ , B : _____

C : _____ , D : _____

3) $J'(2, -4), K'(6, -10), L'(8, -10), G'(12, -10)$

center : $(8, 14), k = 2$

J : _____ ,

L : _____ ,

$= 6$

F : _____

5) $U'(2, -10), V'(-4, -8), W'(5, 12, 14), U'(15, 17)$

center : $(0, -10), k = 0.2$

U : _____ ,

W : _____ ,

$= \frac{3}{4}$

S : _____

U : _____

7) $X'(-11, 1), Y'(-3, -7), Z'(-7, -3)$

center : $(-7, -7), k = 4$

X : _____ , Y : _____

Z : _____

8) $K'(5, 3), L'(11, 9), M'(8, -6), N'(14, -9)$

center : $(2, 6), k = 1.5$

K : _____ , L : _____

M : _____ , N : _____

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Original Coordinates

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

1) $P'(-11, 2), Q'(1, 2), R'(-5, 8), S'(-8, 5)$

center : $(-5, 5), k = 0.3$

P : (-25, -5) , Q : (15, -5)

R : (-5, 15) , S : (-15, 5)

2) $A'(-13, 12), B'(-6, -2), C'(8, 5), D'(1, -9)$

center : $(1, -2), k = \frac{7}{2}$

A : (-3, 2) , B : (-1, -2)

C : (3, 0) , D : (1, -4)

3) $J'(2, -4), K'(6, -10), L'(8, -10), G'(12, -10)$

center : $(8, 14), k = 2$

J : (5, 5) , F : (-8, -5)

L : (8, 3) ,

5) $U'(2, -10), V'(-4, -8), W'(5, 12, 14), U'(15, 17)$

center : $(0, -10), k = 0.2$

U : (10, -10) , S : (16, 12)

W : (25, 25) , U : (24, 20)

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7) $X'(-11, 1), Y'(-3, -7), Z'(-7, -3)$

center : $(-7, -7), k = 4$

X : (-8, -5) , Y : (-6, -7)

Z : (-7, -6)

8) $K'(5, 3), L'(11, 9), M'(8, -6), N'(14, -9)$

center : $(2, 6), k = 1.5$

K : (4, 4) , L : (8, 8)

M : (6, -2) , N : (10, -4)