Name : _____

Dilated Coordinates

Find the dilated coordinates with the given scale factor.

1) W(6, 3), X(–3, –9), Y(–9, –12), Z(12, –6)

Scale factor = $\frac{2}{3}$

W' : _____ ,   X' : _____

Y' : _____ ,   Z' : _____

2) T(1, 4), U(5, 2), V(4, 3)

Scale factor = 6

T' : _____ ,   U' : _____

V' : _____

3) A(1, –5), B(–3, –4), C(–1, – ...

Scale factor = 0.8

A' : _____ ,

C' : _____

–4, 0), H(6, 6)

F' : _____

H' : _____

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5) P(–6, 1), Q(–6, –3), R(2, –...

Scale factor = 2.7

P' : _____ ,

R' : _____ ,

7, –9)

Y' : _____

7) K(1, 1), L(4, 7), M(3, –5)

Scale factor = 4

K' : _____ ,   L' : _____

M' : _____

8) R(–2, –2), S(2, –3), T(3, 1), U(0, 0)

Scale factor = 9

R' : _____ ,   S' : _____

T' : _____ ,   U' : _____