Name : _____

Dilated Coordinates

Find the dilated coordinates with the given scale factor.

1) C(−3, 1), D(1, 0), E(−3, −3)

   Scale factor = $\dfrac{7}{3}$

   C′ : _____ , D′ : _____

   E′ : _____

2) W(4, −9), X(−2, −5), Y(3, −2), Z(8, 2)

   Scale factor = 2

   W′ : _____ , X′ : _____

   Y′ : _____ , Z′ : _____

3) S(0, 1), T(−1, −2), U(0, −3), ... , N(4, 2)

   Scale factor = 6

   S′ : _____ , ... , M′ : _____

   U′ : _____ ,

5) X(4, 2), Y(3, 4), Z(2, 3)

   Scale factor = $\dfrac{3}{4}$

   X′ : _____ , ... , B′ : _____

   Z′ : _____ , ... , D′ : _____

(−2, −4), D(5, −4)

7) E(−1, −2), F(2, −5), G(5, −1), H(1, 1)

   Scale factor = $\dfrac{2}{5}$

   E′ : _____ , F′ : _____

   G′ : _____ , H′ : _____

8) P(2, 4), Q(−2, −6), R(6, −8)

   Scale factor = $\dfrac{1}{2}$

   P′ : _____ , Q′ : _____

   R′ : _____

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