Name : _____ Score : _____

Write the New Coordinates

Sheet 3

Write the coordinates obtained after the given transformation.

1) U(7, 9), V(3, 9), W(5, 3)
Reflection across the y-axis

U′ : _____ , V′ : _____

W′ : _____

2) A(0, –6), B(4, –6), C(2, –2), D(–2, –2)
Translate 2 units up and 5 units left

A′ : _____ , B′ : _____

C′ : _____ , D′ : _____

3) P(8, –3), Q(6, –3),), L(5, 7), M(7, 2)
180^0 rotation abc oss the line x = 5

P′ : _____ ,

R′ : _____ ,

K′ : _____

M′ : _____

5) D(2, 6), E(–3, 6), F 4), U(–8, 2), V(–6, 4)
Translate 4 units ckwise rotation about

D′ : _____ ,

F′ : _____ ,

T′ : _____

V′ : _____

7) Q(7, –7), R(8, –3), S(3, –4), T(1, –7)
Reflection across the line y = –1

Q′ : _____ , R′ : _____

S′ : _____ , T′ : _____

8) K(–4, 0), L(–8, 0), M(–9, –2), N(–3, –2)
Translate 6 units down 5 units right

K′ : _____ , L′ : _____

M′ : _____ , N′ : _____

Name : _____ Score : _____

Answer key

Write the New Coordinates

Sheet 3

Write the coordinates obtained after the given transformation.

1) U(7, 9), V(3, 9), W(5, 3)
Reflection across the y-axis

U′ : **(–7, 9)** , V′ : **(–3, 9)**

W′ : **(–5, 3)**

2) A(0, –6), B(4, –6), C(2, –2), D(–2, –2)
Translate 2 units up and 5 units left

A′ : **(–5, –4)** , B′ : **(–1, –4)**

C′ : **(–3, 0)** , D′ : **(–7, 0)**

3) P(8, –3), Q(6, –3),), L(5, 7), M(7, 2)
180^0 rotation abc oss the line x = 5

P′ : **(–8, 3)** ,

R′ : **(–5, 7)** ,

K′ : **(0, 5)**

M′ : **(3, 2)**

5) D(2, 6), E(–3, 6), F 4), U(–8, 2), V(–6, 4)
Translate 4 units ckwise rotation about

D′ : **(1, 2)** ,

F′ : **(–3, –3)** ,

T′ : **(–4, –10)**

V′ : **(–4, –6)**

7) Q(7, –7), R(8, –3), S(3, –4), T(1, –7)
Reflection across the line y = –1

Q′ : **(7, 5)** , R′ : **(8, 1)**

S′ : **(3, 2)** , T′ : **(1, 5)**

8) K(–4, 0), L(–8, 0), M(–9, –2), N(–3, –2)
Translate 6 units down 5 units right

K′ : **(1, –6)** , L′ : **(–3, –6)**

M′ : **(–4, –8)** , N′ : **(2, –8)**