Name : _____ Score : _____

Write the New Coordinates

Sheet 2

Write the coordinates obtained after the given transformation.

1) K(–3, –6), L(–8, –6), M(–8, –8), N(–3, –8)

90^0 clockwise rotation about the origin

K′: _____ , L′: _____

M′: _____ , N′: _____

2) U(–2, –3), V(1, –3), W(–2, 0)

Reflection across the line x = –3

U′: _____ , V′: _____

W′: _____

3) D(–4, 2), E(–4, 4), S(7, 5), T(7, 8)

Translate 1 unit ri bout the origin

D′: _____ ,

F′: _____ ,

R′: _____

T′: _____

5) P(5, –5), Q(2, –4), 7), C(2, –2)

Reflection across ts right and 3 units up

P′: _____ ,

R′: _____ ,

B′: _____

7) B(3, 3), C(5, 7), D(3, 9), E(1, 7)

90^0 counterclockwise rotation about the origin

B′: _____ , C′: _____

D′: _____ , E′: _____

8) J(–7, 10), K(–8, 7), L(–3, 7), M(–2, 10)

Reflection across the line y = 4

J′: _____ , K′: _____

L′: _____ , M′: _____

Name : _____ Score : _____

Answer key

Write the New Coordinates

Sheet 2

Write the coordinates obtained after the given transformation.

1) K(–3, –6), L(–8, –6), M(–8, –8), N(–3, –8)

90^0 clockwise rotation about the origin

K′: **(–6, 3)** , L′: **(–6, 8)**

M′: **(–8, 8)** , N′: **(–8, 3)**

2) U(–2, –3), V(1, –3), W(–2, 0)

Reflection across the line x = –3

U′: **(–4, –3)** , V′: **(–7, –3)**

W′: **(–4, 0)**

3) D(–4, 2), E(–4, 4), S(7, 5), T(7, 8)

Translate 1 unit ri bout the origin

D′: **(–3, –5)** ,

F′: **(–6, –3)** ,

R′: **(–4, –5)**

T′: **(–7, –8)**

5) P(5, –5), Q(2, –4), 7), C(2, –2)

Reflection across ts right and 3 units up

P′: **(–5, 5)** ,

R′: **(–7, 3)** ,

B′: **(10, –4)**

7) B(3, 3), C(5, 7), D(3, 9), E(1, 7)

90^0 counterclockwise rotation about the origin

B′: **(–3, 3)** , C′: **(–7, 5)**

D′: **(–9, 3)** , E′: **(–7, 1)**

8) J(–7, 10), K(–8, 7), L(–3, 7), M(–2, 10)

Reflection across the line y = 4

J′: **(–7, –2)** , K′: **(–8, 1)**

L′: **(–3, 1)** , M′: **(–2, –2)**