Name : _____ Score : _____

Write the New Coordinates

Sheet 1

Write the coordinates obtained after the given translation.

1) A(–5, 3), B(–3, 3), C(–2, 5), D(–5, 4)

8 units down and 7 units right

A′: _____ , B′: _____

C′: _____ , D′: _____

2) P(2, 1), Q(4, 1), R(5, 3), S(2, 3)

2 units up and 5 units left

P′: _____ , Q′: _____

R′: _____ , S′: _____

3) K(–5, –4), L(–2, –4), M(–2, –2), N(–5, –2)

4 units right and 3 units up

K′: _____ , L′: _____

M′: _____ , N′: _____

4) S(3, –5), T(4, –5), U(5, –3), V(2, –3)

7 units left and 6 units up

S′: _____ , T′: _____

U′: _____ , V′: _____

5) E(1, 2), F(3, 2), G(4, 4), H(2, 4)

5 units down and 1 unit left

E′: _____ , F′: _____

G′: _____ , H′: _____

6) J(–3, –5), K(–1, –5), L(–1, –3)

8 units up and 3 units right

J′: _____ , K′: _____

L′: _____

7) T(–5, 2), U(–1, 2), V(–2, 4), W(–4, 4)

6 units right and 6 units down

T′: _____ , U′: _____

V′: _____ , W′: _____

8) A(0, 2), B(1, 4), C(0, 3), D(–1, 4)

4 units left and 1 unit down

A′: _____ , B′: _____

C′: _____ , D′: _____

Name : _____ Score : _____

Answer key

Write the New Coordinates

Sheet 1

Write the coordinates obtained after the given translation.

1) A(–5, 3), B(–3, 3), C(–2, 5), D(–5, 4)

8 units down and 7 units right

A′: **(2, –5)** , B′: **(4, –5)**

C′: **(5, –3)** , D′: **(2, –4)**

2) P(2, 1), Q(4, 1), R(5, 3), S(2, 3)

2 units up and 5 units left

P′: **(–3, 3)** , Q′: **(–1, 3)**

R′: **(0, 5)** , S′: **(–3, 5)**

3) K(–5, –4), L(–2, –4), M(–2, –2), N(–5, –2)

4 units right and 3 units up

K′: **(–1, –1)** , L′: **(2, –1)**

M′: **(2, 1)** , N′: **(–1, 1)**

4) S(3, –5), T(4, –5), U(5, –3), V(2, –3)

7 units left and 6 units up

S′: **(–4, 1)** , T′: **(–3, 1)**

U′: **(–2, 3)** , V′: **(–5, 3)**

5) E(1, 2), F(3, 2), G(4, 4), H(2, 4)

5 units down and 1 unit left

E′: **(0, –3)** , F′: **(2, –3)**

G′: **(3, –1)** , H′: **(1, –1)**

6) J(–3, –5), K(–1, –5), L(–1, –3)

8 units up and 3 units right

J′: **(0, 3)** , K′: **(2, 3)**

L′: **(2, 5)**

7) T(–5, 2), U(–1, 2), V(–2, 4), W(–4, 4)

6 units right and 6 units down

T′: **(1, –4)** , U′: **(5, –4)**

V′: **(4, –2)** , W′: **(2, –2)**

8) A(0, 2), B(1, 4), C(0, 3), D(–1, 4)

4 units left and 1 unit down

A′: **(–4, 1)** , B′: **(–3, 3)**

C′: **(–4, 2)** , D′: **(–5, 3)**

Name : _____ Score : _____

Write the New Coordinates

Sheet 2

Write the coordinates obtained after the given translation.

1) E(2, 0), F(5, 1), G(4, 2), H(2, 2)

3 units up and 7 units left

E′: _____ , F′: _____

G′: _____ , H′: _____

2) T(–5, –5), U(–2, –5), V(–2, –3), W(–5, –3)

6 units right and 8 units up

T′: _____ , U′: _____

V′: _____ , W′: _____

3) P(–4, 1), Q(–2, 1)

2 units down an

P′: _____ ,

R′: _____ ,

3), C(–1, 5), D(–3, 4)

5 units down

B′: _____

D′: _____

5) K(1, –2), L(3, –4),

6 units left and 1

K′: _____ ,

M′: _____ ,

-4), F(–1, –2), G(–3, –2)

4 units right

E′: _____

G′: _____

7) S(–3, 1), T(–1, 1), U(–1, 3), V(–4, 4)

5 units right and 4 units down

S′: _____ , T′: _____

U′: _____ , V′: _____

8) P(4, 2), Q(5, 4), R(3, 4)

7 units down and 2 units left

P′: _____ , Q′: _____

R′: _____

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Name : _____ Score : _____

Answer key

Write the New Coordinates

Sheet 2

Write the coordinates obtained after the given translation.

1) E(2, 0), F(5, 1), G(4, 2), H(2, 2)

3 units up and 7 units left

E′: **(–5, 3)** , F′: **(–2, 4)**

G′: **(–3, 5)** , H′: **(–5, 5)**

2) T(–5, –5), U(–2, –5), V(–2, –3), W(–5, –3)

6 units right and 8 units up

T′: **(1, 3)** , U′: **(4, 3)**

V′: **(4, 5)** , W′: **(1, 5)**

3) P(–4, 1), Q(–2, 1) … 3), C(–1, 5), D(–3, 4)

2 units down an … 5 units down

P′: **(0, –1)** , B′: **(–3, –2)**

R′: **(2, 1)** , D′: **(–4, –1)**

5) K(1, –2), L(3, –4), … -4), F(–1, –2), G(–3, –2)

6 units left and 1 … 4 units right

K′: **(–5, –1)** , E′: **(4, –1)**

M′: **(–3, –2)** , G′: **(1, 1)**

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7) S(–3, 1), T(–1, 1), U(–1, 3), V(–4, 4)

5 units right and 4 units down

S′: **(2, –3)** , T′: **(4, –3)**

U′: **(4, –1)** , V′: **(1, 0)**

8) P(4, 2), Q(5, 4), R(3, 4)

7 units down and 2 units left

P′: **(2, –5)** , Q′: **(3, –3)**

R′: **(1, –3)**

Name : _____ Score : _____

Write the New Coordinates

Sheet 3

Write the coordinates obtained after the given translation.

1) J(–1, –3), K(1, –3), L(0, 0)

4 units right and 5 units up

J′: _____ , K′: _____

L′: _____

2) A(1, 2), B(3, 2), C(2, 4), D(0, 4)

3 units left and 7 units down

A′: _____ , B′: _____

C′: _____ , D′: _____

3) S(1, 1), T(3, 1), U(, –5), R(–2, –3), S(–5, –3)

6 units down an 4 units right

S′: _____ , Q′: _____

U′: _____ , S′: _____

5) C(–5, 2), D(–3, 2),), M(3, –2), N(1, –1)

7 units right and l 6 units up

C′: _____ , L′: _____

E′: _____ , N′: _____

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7) A(3, –5), B(5, –5), C(4, –3), D(3, –3)

1 unit up and 8 units left

A′: _____ , B′: _____

C′: _____ , D′: _____

8) E(–4, 1), F(–2, 1), G(–1, 3), H(–5, 3)

5 units down and 5 units right

E′: _____ , F′: _____

G′: _____ , H′: _____

Name : _____ Score : _____

Answer key

Write the New Coordinates

Sheet 3

Write the coordinates obtained after the given translation.

1) J(–1, –3), K(1, –3), L(0, 0)

4 units right and 5 units up

J′: **(3, 2)** , K′: **(5, 2)**

L′: **(4, 5)**

2) A(1, 2), B(3, 2), C(2, 4), D(0, 4)

3 units left and 7 units down

A′: **(–2, –5)** , B′: **(0, –5)**

C′: **(–1, –3)** , D′: **(–3, –3)**

3) S(1, 1), T(3, 1), U(, –5), R(–2, –3), S(–5, –3)

6 units down an 4 units right

S′: **(–2, –5)** , Q′: **(2, 3)**

U′: **(0, –2)** , S′: **(–1, 5)**

5) C(–5, 2), D(–3, 2),), M(3, –2), N(1, –1)

7 units right and l 6 units up

C′: **(2, 0)** , L′: **(3, 5)**

E′: **(4, 2)** , N′: **(–1, 5)**

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7) A(3, –5), B(5, –5), C(4, –3), D(3, –3)

1 unit up and 8 units left

A′: **(–5, –4)** , B′: **(–3, –4)**

C′: **(–4, –2)** , D′: **(–5, –2)**

8) E(–4, 1), F(–2, 1), G(–1, 3), H(–5, 3)

5 units down and 5 units right

E′: **(1, –4)** , F′: **(3, –4)**

G′: **(4, –2)** , H′: **(0, –2)**