



Area of Coordinate Polygons

Name _____ Class _____ Date _____

1 What is the **area** for a polygon with these coordinates?
(1,1), (5,1), (1,6), (5,6)

A $5 \times 6 = 30$
B $4 \times 5 = 20$
C $1 \times 6 = 6$
D $1 \times 5 = 5$

2 What is the **area** for a polygon with these coordinates?
(4,-3), (6,-3), (4,-8), (6,-8)

A $4 \times 6 = 24$
B $1 \times 3 = 3$
C $2 \times -5 = -10$
D $2 \times 5 = 10$

3 What is the **area** for a polygon with these coordinates?
(-3,3), (-8,3), (-3,6), (-8,6)

A $5 \times 3 = 15$
B $-5 \times 3 = -15$
C $-3 \times -8 = 24$

4 What is the **area** for a polygon with these coordinates?
(-2,-2), (-3,-2), (-2,-4), (-3,-4)

A $2 \times 2 = 4$
B $2 \times 4 = 6$
C $2 \times 1 = 2$

5

PREVIEW

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6

A $3 \times 3 = 9$
B $1 \times 9 = 9$
C $9 \times 8 = 72$
D $2 \times 8 = 16$

7

A $3 \times 10 = 30$
B $1 \times 2 = 2$
C $3 \times 8 = 24$
D $7 \times 2 = 14$

9 What is the **area** for a polygon with these coordinates?
(3,6), (7,3), (3,3), (7,6)

A $3 \times 6 = 18$
B $4 \times 3 = 12$
C $7 \times 3 = 21$
D $7 \times 6 = 42$

10 What is the **area** for a polygon with these coordinates?
(5,4), (2,4), (5,-3), (2,-3)

A $3 \times 7 = 21$
B $5 \times 4 = 20$
C $4 \times -3 = -12$
D $9 \times -3 = -27$

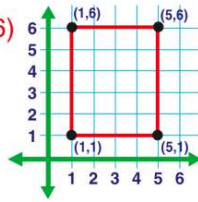


ANSWER KEY

What is the **area** for a polygon with these coordinates?

(1,1), (5,1), (1,6), (5,6)

- A $5 \times 6 = 30$
- B $4 \times 5 = 20$
- C $1 \times 6 = 6$
- D $1 \times 5 = 5$

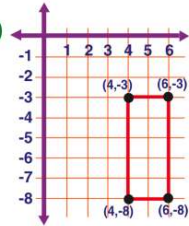


(b)

What is the **area** for a polygon with these coordinates?

(4,-3), (6,-3), (4,-8), (6,-8)

- A $4 \times 6 = 24$
- B $1 \times 3 = 3$
- C $2 \times -5 = -10$
- D $2 \times 5 = 10$



(d)

What is the **area** for a polygon with these coordinates?

(-3,3), (-8,3), (-3,6), (-8,6)

- A $5 \times 3 = 15$
- B $-5 \times 3 = -15$
- C $-3 \times -8 = 24$
- D $3 \times 6 = 18$

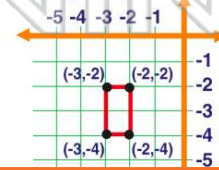


(a)

What is the **area** for a polygon with these coordinates?

(-2,-2), (-3,-2), (-2,-4), (-3,-4)

- A $2 \times 2 = 4$
- B $2 \times 4 = 6$
- C $2 \times 1 = 2$
- D $3 \times 4 = 12$



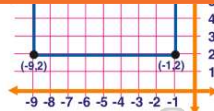
(c)



PREVIEW

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- C $9 \times 8 = 72$
- D $2 \times 8 = 16$



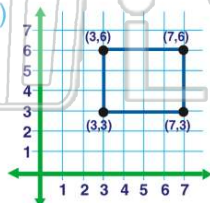
- C $3 \times 8 = 24$
- D $7 \times 2 = 14$



What is the **area** for a polygon with these coordinates?

(3,6), (7,3), (3,3), (7,6)

- A $3 \times 6 = 18$
- B $4 \times 3 = 12$
- C $7 \times 3 = 21$
- D $7 \times 6 = 42$

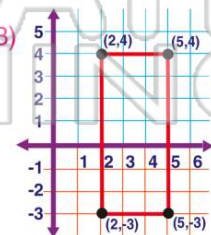


(b)

What is the **area** for a polygon with these coordinates?

(5,4), (2,4), (5,-3), (2,-3)

- A $3 \times 7 = 21$
- B $5 \times 4 = 20$
- C $4 \times -3 = -12$
- D $9 \times -3 = -27$



(a)