



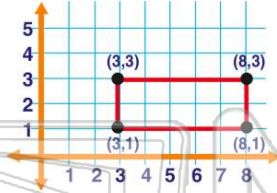
Area of Coordinate Polygons



Name _____ Class _____ Date _____

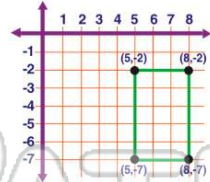
1 What is the **area** for a polygon with these coordinates?
(8,1), (3,1), (8,3), (3,3)

- A $8 \times 1 = 8$
- B $2 \times 5 = 10$
- C $8 \times 2 = 16$
- D $2 \times 2 = 4$



2 What is the **area** for a polygon with these coordinates?
(5,-2), (8,-2), (5,-7), (8,-7)

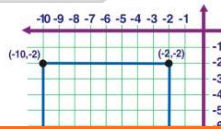
- A $3 \times 5 = 15$
- B $5 \times 8 = 40$
- C $-7 \times 5 = -35$
- D $7 \times 8 = 56$



3 The **area** of a polygon with these coordinates is $2 \times 8 = 16$.
(-2,-2), (-10,-2), (-2,-8), (-10,-8)

True or false?

A true



4 The **area** of a polygon with these coordinates is $9 \times 6 = 54$.
(-1,5), (-10,5), (-1,-1), (-10,-1)

True or false?

A true



5

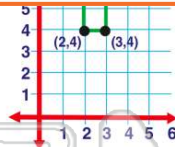


PREVIEW

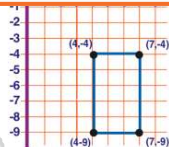
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7

- A true
- B false



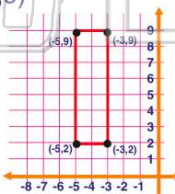
- A true
- B false



9 The **area** of a polygon with these coordinates is $7 \times 8 = 56$.
(-3,2), (-5,2), (-3,9), (-5,9)

True or false?

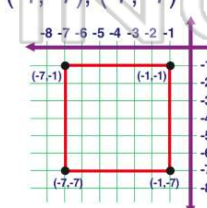
- A true
- B false



10 The **area** of a polygon with these coordinates is $6 \times 6 = 36$.
(-1,-1), (-7,-1), (-1,-7), (-7,-7)

True or false?

- A true
- B false



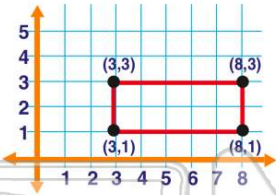


ANSWER KEY

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

(8,1), (3,1), (8,3), (3,3)

- A** $8 \times 1 = 8$
- B** $2 \times 5 = 10$
- C** $8 \times 2 = 16$
- D** $2 \times 2 = 4$

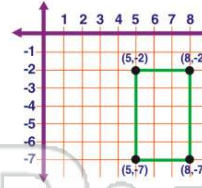


(b)

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

(5,-2), (8,-2), (5,-7), (8,-7)

- A** $3 \times 5 = 15$
- B** $5 \times 8 = 40$
- C** $-7 \times 5 = -35$
- D** $7 \times 8 = 56$



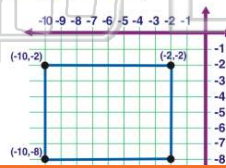
(a)

The **area** of a polygon with these coordinates is $2 \times 8 = 16$.

(-2,-2), (-10,-2), (-2,-8), (-10,-8)

True or false?

- A** true
- B** false



(b)

The **area** of a polygon with these coordinates is $9 \times 6 = 54$.

(-1,5), (-10,5), (-1,-1), (-10,-1)

True or false?

- A** true
- B** false



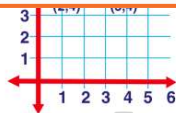
(a)



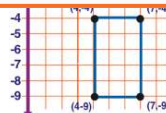
PREVIEW

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- A** true
- B** false



- A** true
- B** false

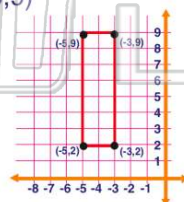


The **area** of a polygon with these coordinates is $7 \times 8 = 56$.

(-3,2), (-5,2), (-3,9), (-5,9)

True or false?

- A** true
- B** false



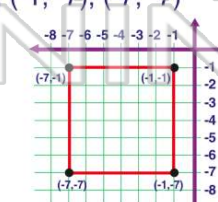
(b)

The **area** of a polygon with these coordinates is $6 \times 6 = 36$.

(-1,-1), (-7,-1), (-1,-7), (-7,-7)

True or false?

- A** true
- B** false



(a)