



Area of Coordinate Polygons

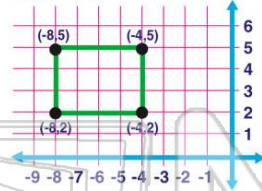


Name _____ Class _____ Date _____

1

What is the **area** for a polygon with these coordinates?
 $(-4,5), (-8,5), (-4,2), (-8,2)$

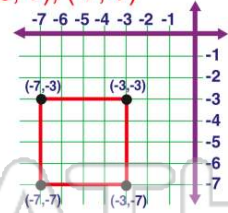
- A $-4 \times -8 = 32$
- B $-8 \times 2 = -16$
- C $3 \times 4 = 12$
- D $8 \times 5 = 40$



2

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

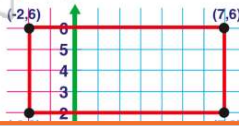
- A $-3 \times -7 = 21$
- B $-3 \times -7 = -21$
- C $-7 \times -7 = -49$
- D $4 \times 4 = 16$



3

What is the **area** for a polygon with these coordinates?
 $(7,2), (-2,2), (7,6), (-2,6)$

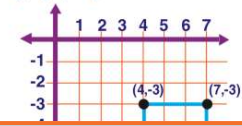
- A $4 \times 9 = 36$
- B $2 \times -2 = -4$
- C $2 \times 6 = 12$
- D $4 \times 6 = 24$



4

What is the **area** for a polygon with these coordinates?
 $(7,-6), (4,-6), (7,-3), (4,-3)$

- A $7 \times -6 = -42$
- B $4 \times -3 = -12$
- C $3 \times 3 = 9$
- D $3 \times -3 = -9$



5

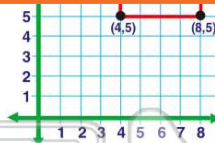


PREVIEW

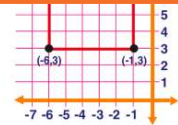
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7

- A $4 \times 8 = 32$
- B $4 \times 8 = 32$
- C $5 \times 8 = 40$
- D $2 \times 1 = 2$



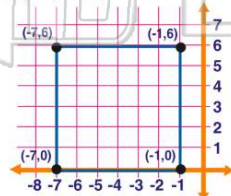
- A $4 \times 8 = 32$
- B $8 \times 3 = 24$
- C $8 \times 8 = 64$
- D $5 \times 5 = 25$



9

What is the **area** for a polygon with these coordinates?
 $(-1,0), (-7,0), (-1,6), (-7,6)$

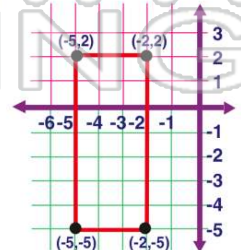
- A $6 \times 6 = 36$
- B $-1 \times -7 = 7$
- C $8 \times -7 = -56$
- D $-1 \times 8 = -8$



10

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

- A $-5 \times 5 = -25$
- B $-5 \times -5 = 25$
- C $3 \times 7 = 21$
- D $-2 \times -5 = 10$



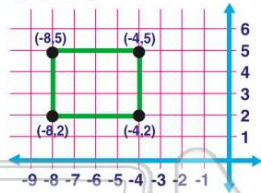


ANSWER KEY

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

$(-4,5), (-8,5), (-4,2), (-8,2)$

- A $-4 \times -8 = 32$
- B $-8 \times 2 = -16$
- C $3 \times 4 = 12$
- D $8 \times 5 = 40$

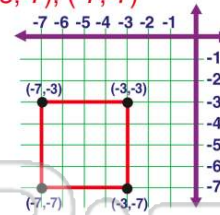


(c)

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

$(-3,-3), (-7,-3), (-3,-7), (-7,-7)$

- A $-3 \times -7 = 21$
- B $-3 \times -7 = -21$
- C $-7 \times -7 = -49$
- D $4 \times 4 = 16$

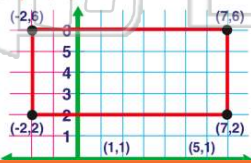


(d)

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

$(7,2), (-2,2), (7,6), (-2,6)$

- A $4 \times 9 = 36$
- B $2 \times -2 = -4$
- C $2 \times 6 = 12$
- D $7 \times 6 = 42$

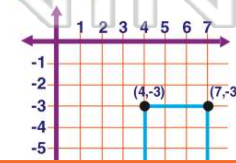


(a)

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

$(7,-6), (4,-6), (7,-3), (4,-3)$

- A $7 \times -6 = -42$
- B $4 \times -3 = -12$
- C $3 \times 3 = 9$
- D $7 \times 4 = 28$



(c)



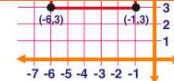
PREVIEW

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- C $5 \times 8 = 40$
- D $2 \times 1 = 2$



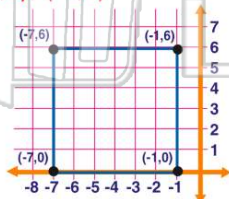
- C $8 \times 8 = 64$
- D $5 \times 5 = 25$



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

$(-1,0), (-7,0), (-1,6), (-7,6)$

- A $6 \times 6 = 36$
- B $-1 \times -7 = 7$
- C $8 \times -7 = -56$
- D $-1 \times 8 = -8$

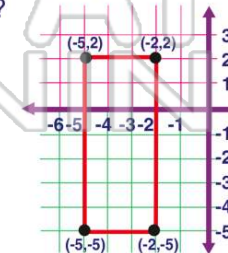


(a)

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

$(-5,-5), (-2,-5), (-5,2), (-2,2)$

- A $-5 \times 5 = -25$
- B $-5 \times -5 = 25$
- C $3 \times 7 = 21$
- D $-2 \times -5 = 10$



(c)