**1. To find the area of a triangle, the formula A =  • 2 • 4 is used. Tell if the set of ordered pairs is represented by this formula.**

**** (-7,3) (-3,3) (-7,5)

yes no

**2. To find the area of a triangle, the formula A =  • 3 • 6 is used. Tell if the set of ordered pairs is represented by this formula.**

**** (2, 2) (2, -5) (5,2)

yes no

**3. To find the area of a triangle, the formula A =  • 4 • 6 is used. Tell if the set of ordered pairs is represented by this formula.**

**** (-4,0) (-4, 4) (2,4)

yes no

**4. To find the area of a triangle, the formula A =  • 5 • 6 is used. Tell if the set of ordered pairs is represented by this formula.**

**** (-6,2) (-6,8) (-1,8)

yes no

5. A vertex of a polygon is located at *A* (5,-3). The length of side *AB* is 5 units. Determine   
 whether each ordered pair could be the coordinate for point B. Select all that apply.

**** a) (5,2) b) (-10,-3) c) (5,-8) d) (0,-3) e) (3,10) f) (-5, -8) g) (-3,0)

6. A vertex of a polygon is located at *A* (-7,5). The length of side *AB* is 3 units. Determine   
 whether each ordered pair could be the coordinate for point B. Select all that apply.

**** a) (-4,5) b) (-7,-2) c) (-10,-5) d) (-7,-8) e) (-7,0) f) (-2,-7) g) (-5,-10)

7. A vertex of a polygon is located at *A* (-6,3). The length of side *AB* is 3 units. Determine   
 whether each ordered pair could be the coordinate for point B. Select all that apply.

**** a) (-9,-3) b) (-2, 3) c) (-6,0) d) (-3,-3) e) (-6,-6) f) (1, 1) g) (0, -6)

8. A vertex of a polygon is located at *A* (-5,5). The length of side *AB* is 4 units. Determine   
 whether each ordered pair could be the coordinate for point B. Select all that apply.

**** a) (-5,9) b) (-1,5) c) (-9,5) d) (-5,1) e) (1, 5) f) (-9, -5) g) (1,-5)

9. Does the set of ordered pairs make a rectangle?

**** A (-5, 2) B (-5,-2) C (5,2) D (5,-2)



10. Does the set of ordered pairs make a rectangle?

**** A (-6, -3) B (-3, 3) C (2, 3) D (5, -3)



11. Does the set of ordered pairs make a rectangle?

**** A (-8, 4) B (-5, -3) C (3, -3) D (-1, 4)



No

yes

12. Does the set of ordered pairs make a rectangle?

**** A (2, -3) B (2, -8) C (9, -3) D (9, -8)



no

yes



11. Find the total area of figure ABCD in square centimeters. Show work to support your answer.

1. 162 cm2 b) 54 cm2 c) 1080 cm2 d) 108 cm2



12. Find the total area of figure ABCD in square centimeters. Show work to support your answer.

1. 24 cm2 b) 48 cm2 c) 96 cm2 d) 480 cm2



13. Find the total area of figure ABCD in square centimeters. Show work to support your answer.

1. 675 cm2 b) 225 cm2 c) 450 cm2 d) 4,500 cm2