Name: _____   Date: _____

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1 Is (5,-1) a solution of the equation x-y=4?

A. Yes
B. No

2 Which ordered pair is a solution to the equation 3m-2n=6?

A. (Ø,3)
B. (5/3, -1/2)
C. (-3,Ø)
D. (7,Ø)

3 Solve the equation for y in terms of x: 3x+2y=8

A. x=2y-8
B. x=-2y/3 +8/3
C. y=-3x+8
D. y=-3x/2 +4

4 Mr. McDonald spent $28Ø for some baby pigs and chickens. The pigs cost $4Ø each and the chickens cost $3 each. If he bought more than one pig, how many pigs and chickens did he buy?
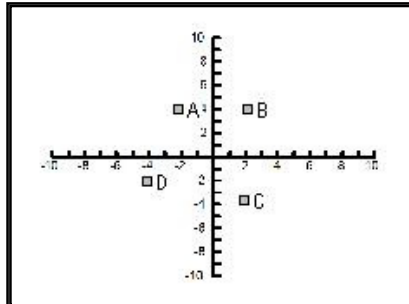
A. 4 pigs, 4Ø chickens
B. 1Ø pigs, 1Ø chickens
C. 4Ø pigs, 4 chickens
D. 1 pig, 1 chicken

5 Which letter represents the point (-2,4)?
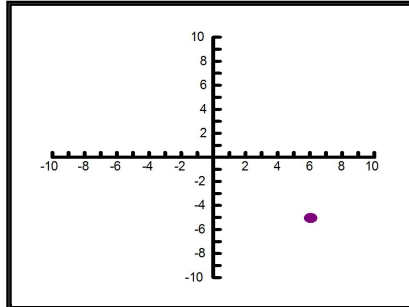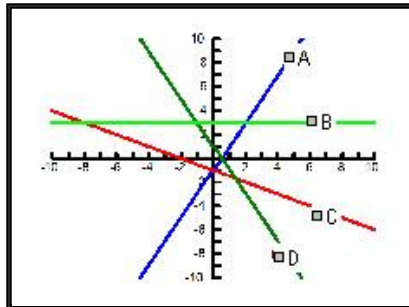

A. A
B. B
C. C
D. D

6 State the quadrant the point lies in.

- A. Quadrant I
- B. Quadrant II
- C. Quadrant III
- D. Quadrant IV

7 Identify the graph of the line y=2x-1.

- A. A
- B. B
- C. C
- D. D

8 Find the slope of the line through the points (1,6) and (3,-2).

- A. -1/4
- B. 1/4
- C. -4
- D. 4

9 Find the slope of the line 6x-2y=14.

- A. -3
- B. -2
- C. 3
- D. 6

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10   The slope of a horizontal line is:

A. -1
B. 0
C. 1
D. undefined

11   The slope of a vertical line is:

A. -1
B. 0
C. 1
D. undefined

12   State the slope and y-intercept of the equation y=3x-4.

A. m=3,b=-4
B. m=-4,b=3
C. m=3/4, b=1
D. m=3x, b=4

13   Select the pair of parallel lines from the given choices.

A. y=5x-1, y=-5x-1
B. y=4x-2, y=6x-2
C. y=-3x-4, y=x/3+2
D. y=2x+3 , y=2x-5

14   Write the equation of the line with slope -4 and y-intercept 5.

A. y=-4x+5
B. y=5x-4
C. y=-45x
D. y=-5x/4

15   Write the equation of a line passing through the points (1,1) and (2,4).

A. y=3x
B. y=2x-3
C. y=x+6
D. y=3x-2

16   Evaluate f(x)=5x-9 for x=3.
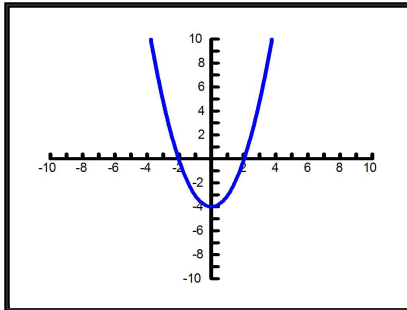
   A. -4
   B. -1
   C. 3
   D. 6

17   What are the coordinates of the vertex of the following graph?

   A. (Ø,-4)
   B. (2,Ø)
   C. (-2,Ø)
   D. (4,1Ø)

18   Find the constant of variation when y varies directly as x, and y=9 when x=54.

   A. 9
   B. 1/6
   C. 6
   D. -6

19   Ms. FastFood's wages are directly proportional to the hours that she works. If she earns $1ØØ for 5 hours, how much will she earn for 18 hours?

   A. $2ØØ
   B. $36Ø
   C. $5ØØ
   D. $18ØØ

20   Three friends on a beach trip pay $1ØØ each to share rent of a house. The cost per person varies inversely as the number of people sharing the rent. How many people would have to share the rent of the cottage to make the cost $6Ø per person?

   A. 2
   B. 3
   C. 5
   D. 6