Review of Coordinates, Integers & equations Name_____

Grade 7 Math

Model with tiles to find the solution.

1) $(-1) + 3$

2) $5 - (-6)$

3) $(-1) - 2$

4) $(-3) - (-2)$

5) $1 + (-4)$

6) $5 - 8$

Evaluate each expression using the rules for adding & subtracting integers.

7) $7 - (-8)$

8) $6 - (-2)$

9) $(-5) - 6$

10) $(-6) - (-5)$

11) $2 - 4$

12) $(-1) - 2$

13) $(-5) + (-5)$

14) $(-8) + 3$

15) $7 + (-5)$

16) $(-2) - 1$

17) $6 - 1$

18) $(-4) - (-1)$

Evaluate each expression using the rules for adding & subtracting integers.Do 1 step at a time to show work.

19) $(-7) + 6 - 4 - (-4)$

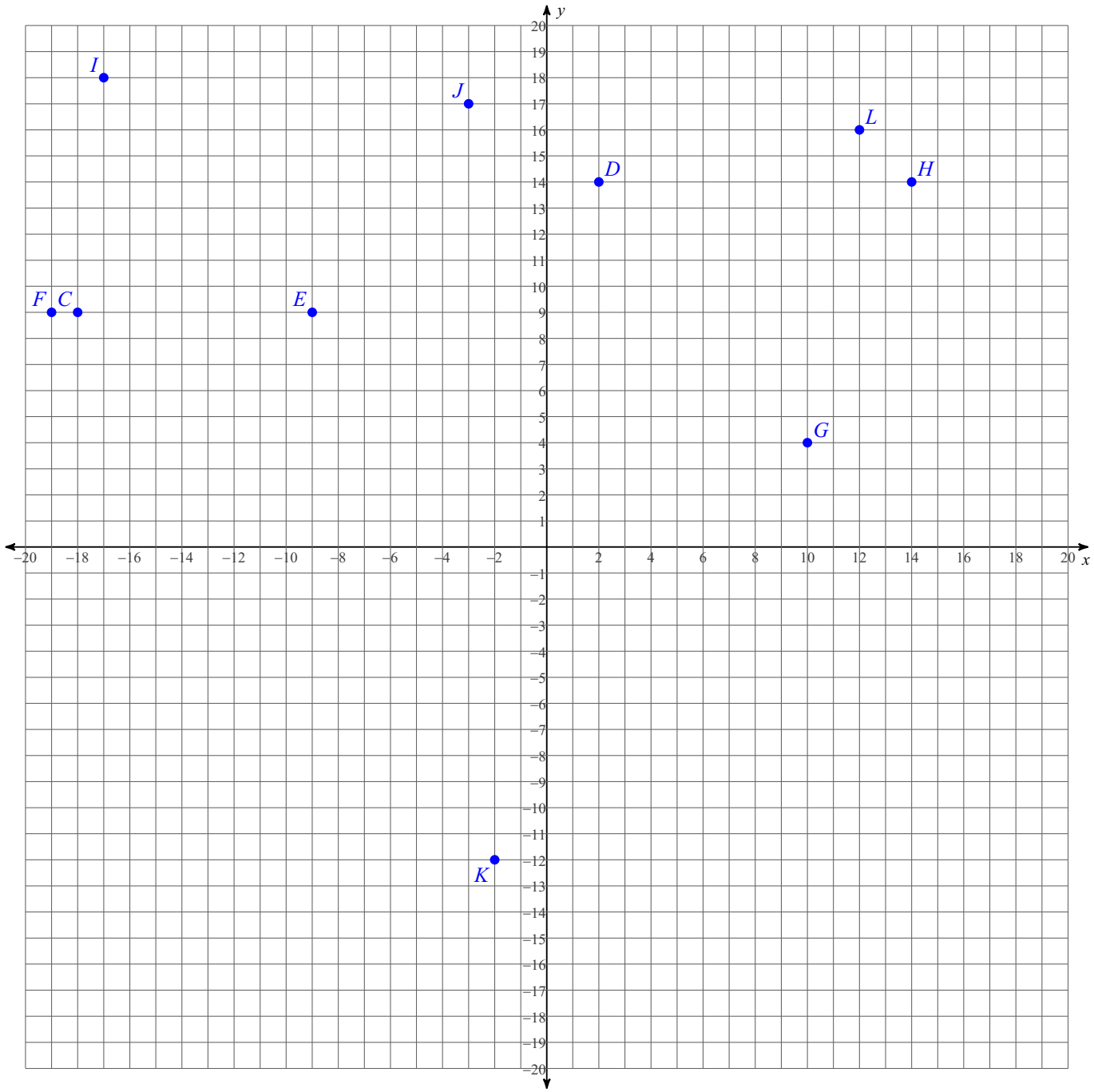
20) $(-4) - 2 + (-2) + (-3)$

21) $4 - (-6) + (-7) - (-1)$

22) $(-3) - 5 - (-1) + (-5)$

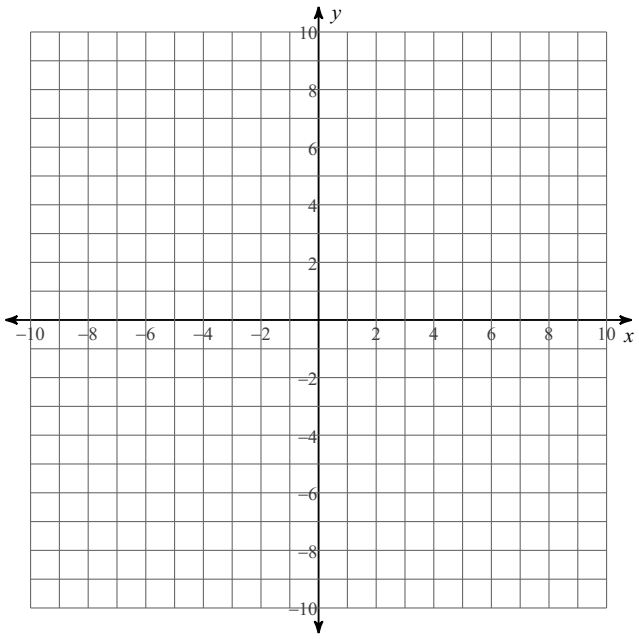
State the coordinates of each point.

23)



Plot each point.

24) $F(-10, 3)$ $G(7, 10)$ $H(6, 3)$
$I(-2, -9)$ $J(7, -9)$



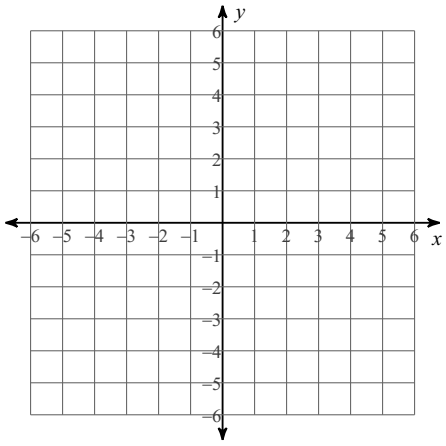
Write the algebraic equation for each questions below

25) The sum of three consecutive even numbers is 72. What is the smallest of these numbers?

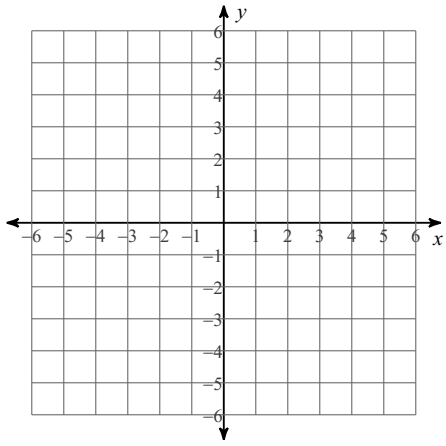
26) Aliyah spent $18 on a magazine and eight notepads. If the magazine cost $2, then how much was each notepad?

Do a table of values for the equation for x= -2, -1, 0, 1, 2(Show work for tthe first 3 entries). Then sketch the equation on graph paper.

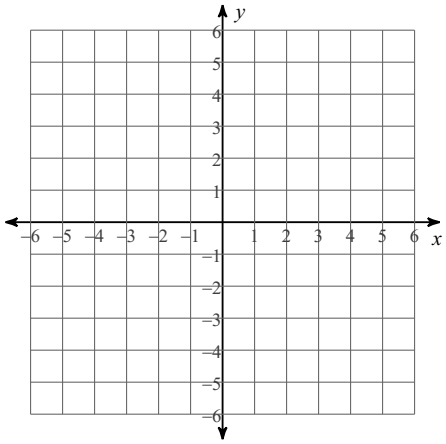
27) $y = 2x - 1$



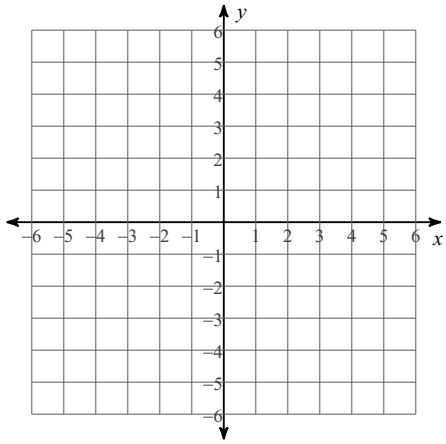
28) $y = 9x - 5$



29) $y = x + 1$

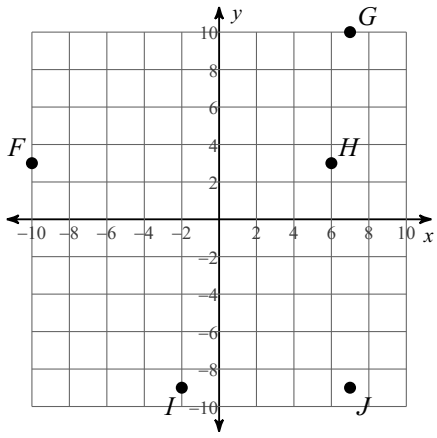


30) $y = 2x$

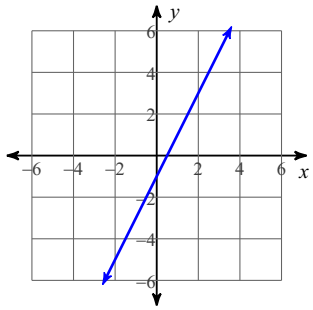


Answers to Grade 7 Math

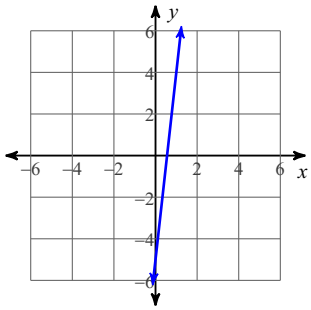
1) 2
2) 11
3) −3
4) −1
5) −3
6) −3
7) 15
8) 8
9) −11
10) −1
11) −2
12) −3
13) −10
14) −5
15) 2
16) −3
17) 5
18) −3
19) −1
20) −11
21) 4
22) −12
23) $C(-18, 9)$ $D(2, 14)$ $E(-9, 9)$ $F(-19, 9)$ $G(10, 4)$ $H(14, 14)$ $I(-17, 18)$ $J(-3, 17)$ $K(-2, -12)$ $L(12, 16)$
24)



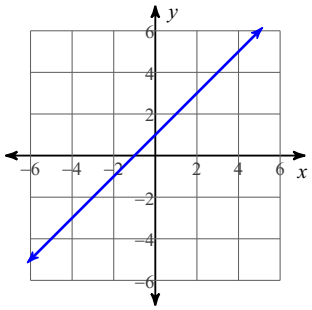
25) 22
26) $2
27)



28)



29)



30)