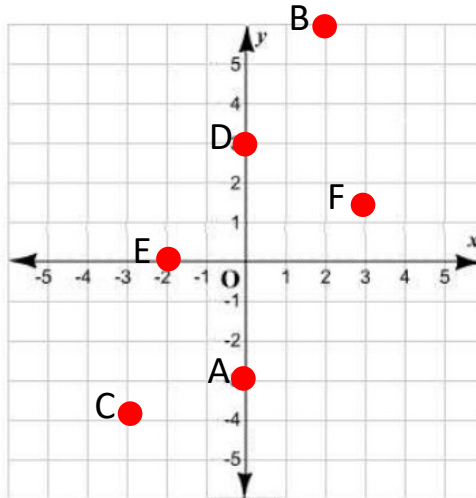


Name: _____

Date: _____

Go to www.hendersonmath.com for a tutorial on how to complete. Henderson – Math 8**Homework for Week 4**

Tuesday: HW#4A

Describe in words how to locate the following coordinates:1) $(4, -3)$ **4 units right, 3 units down**2) $(2, 7)$ **2 units right, 7 units up**3) $(-45, 78)$ **45 units left, 78 units up**4) $(-52, -73)$ **52 units left, 73 units down****Determine the quadrant in which each point lies:**5) $(2, -3.5)$ **IV**6) $(-5, -14)$ **III**7) $(56, 578)$ **I**8) $(-7, \frac{3}{4})$ **II****Graph the coordinates on the grid below and label it with the correct letter:**9) **A** $(0, -3)$ 10) **B** $(2, 6)$ 11) **C** $(-3, -4)$ 12) **D** $(0, 3)$ 13) **E** $(-2, 0)$ 14) **F** $(3, 1.5)$ 

Wednesday: HW#4C

Solve the following equations:

15.) $4x - 6 = 2(2x - 3)$

$$4x - 6 = 4x - 6$$

Infinite Sol.

16.) $3x + 8 = 3x$

$$\begin{array}{r} -3x \quad -3x \\ \hline 8 \neq 0 \end{array}$$

No Solutions

17.) $4 + 2x = 6x$

$$\begin{array}{r} -2x \quad -2x \\ \hline 4 = 4x \end{array}$$

$$\frac{4}{4} = \frac{4x}{4}$$

$$x = 1$$

18.) $\frac{1}{2}(x + 10) = 14$

$$0.5x + 5 = 14$$

$$\begin{array}{r} 0.5x + 5 = 14 \\ -5 \quad -5 \\ \hline 0.5x = 9 \end{array}$$

$$\boxed{x = 18}$$

19.) $5x + 4 = 10x + 4 - 5x$

$$5x + 4 = 5x + 4$$

Infinite Sol.

20.) $0.2(x + 1) = -36$

$$\begin{array}{r} 0.2x + 0.2 = -36 \\ -0.2 \quad -0.2 \\ \hline 0.2x = -36.2 \end{array}$$

$$\begin{array}{r} 0.2x = -36.2 \\ \hline 0.2 \quad 0.2 \\ \hline x = -181 \end{array}$$

Thursday: HW#4D

21) Construct and **label** a line graph from the data table:

Minutes	Number of bacteria
2	100
2.5	125
3.5	175
5	250

