Name: _____

Review Homework – Honors Math 8

1) Arrange the values from least to greatest. No calculator – show your work for each value.

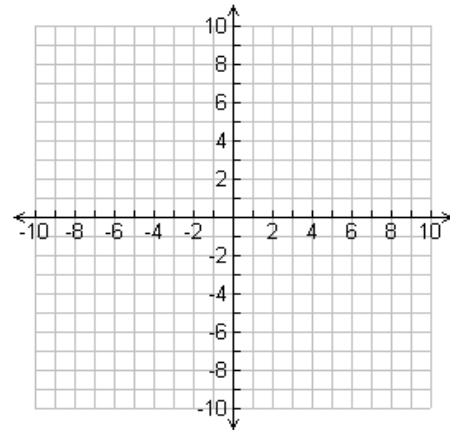   **A.** $7.\overline{8}$ **B.** $\frac{33}{4}$ **C.** $\sqrt{77}$ **D.** $7\frac{40}{50}$ **E.** 2π

_____, _____, _____, _____, _____

2) Complete the table and use it to graph the function: $f(x) = x^2 - 5$

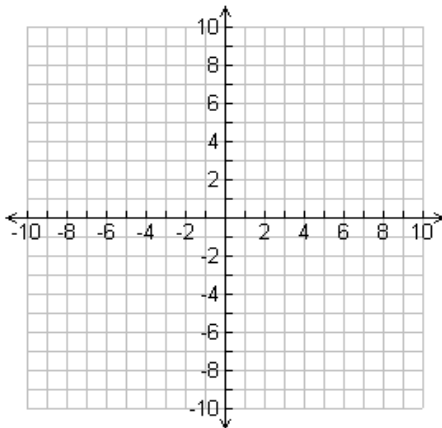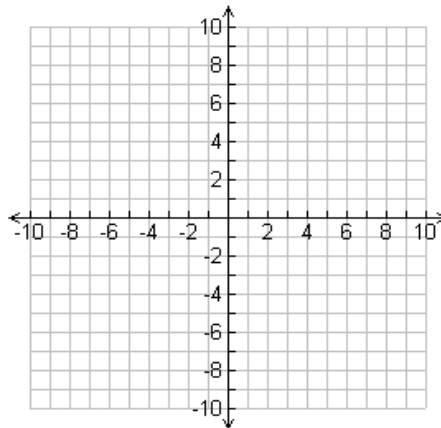| x	f(x)
-3	
-2	
-1	
0	
1	
2	
3	

3) Find the slope between the points (-4, 9) and (6, 7). Simplify if possible.

For 4-6, use the slope-intercept form rules to graph the equation.
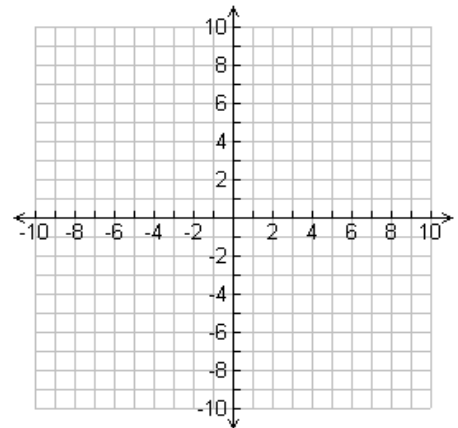
4) $y = -\frac{3}{2}x + 6$ 5) $y = 2x - 4$ 6) $y = -x$

7) Solve the equation: $-2(x - 9) = x + 9 - 3x$

8) Solve the system by substitution:

$\begin{cases} y = 4x \\ 3x - 2y = -70 \end{cases}$

9) Solve the system by elimination:

$\begin{cases} x - 4y = 13 \\ 3x + 2y = 11 \end{cases}$