

Name: _____
 Math 8 – Mrs. Henderson

Date: _____

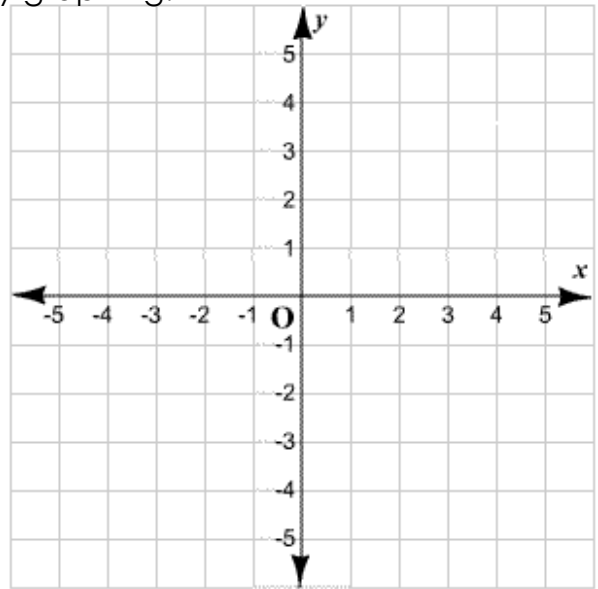
Monday: HW#22A

1.) Find the solution to the system of equations by graphing.

$$y = \frac{2}{3}x - 3$$

$$y = -2x + 5$$

_____ solution

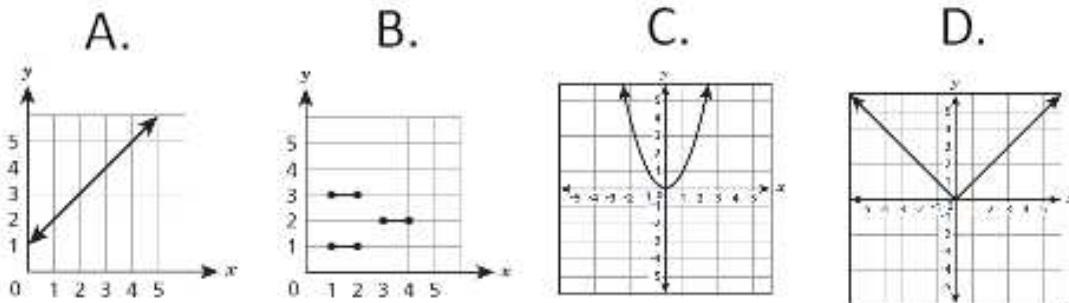


Tuesday: HW#22B

2. Which relation below represents a function of x?

- a. (2, 4) , (2, 5) , (2, 6) b. (1, 2) , (3, 2) , (5, 6) c. (1, 2) , (1, 2) , (7, 2)

3. Which graph below does NOT represent a function of x?



4. Evaluate. $(5.3 \times 10^4) (3.1 \times 10^2)$

Wednesday: HW# 22C

Solve the following equations:

5.) $2(3x - 2) + 5x = 30$

6.) $-4(3 + c) + 6c = -24$

7.) $8 - 4w = -20$

8.) $\frac{1}{2}(4c + 2) - 6c = 48$

9.) $8a + 6(a + 1) = -1$

Thursday: HW# 22D

Simplify each expression. Write using POSITIVE exponents.

10. a) $a^{-7} \cdot a^5$ _____ b) $\frac{2^8}{2^4}$ _____ c) m^{-5} _____ d) $\frac{x^7}{x^{-3}}$ _____

11. Juan wrote that $m^3 \cdot m^5 = m^{15}$. Correct his mistake. Then state in words how you were able to find your answer.

12. Which equation does not represent a linear function?

a) $2x + y = 7$

b) $y = -6x + 4$

c) $y = 5x^2 + 3$

d) $\frac{2}{3}x + \frac{3}{5} = y$