

Name: _____
 Period _____

Date: _____ **20**
 Henderson – Math 8

Homework for Week 20

Monday: HW#20A

Identify if the relation shown is a FUNCTION or NOT a FUNCTION.

1.)

X	Y
0	3
2	2
4	3

X	Y
-1	8
-2	2
-2	-1

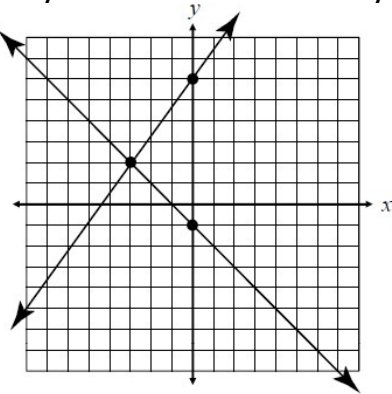
X	Y
6	12
7	12
8	12

X	Y
1	0
4	8
7	16

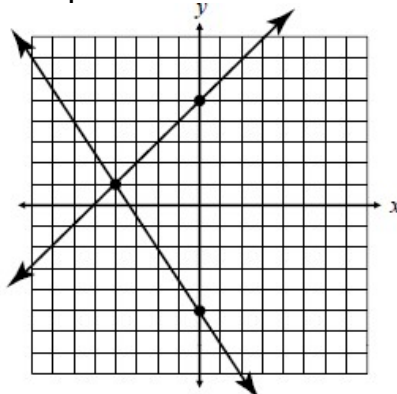
Tuesday: HW#20B

Identify the solution to the system of equations.

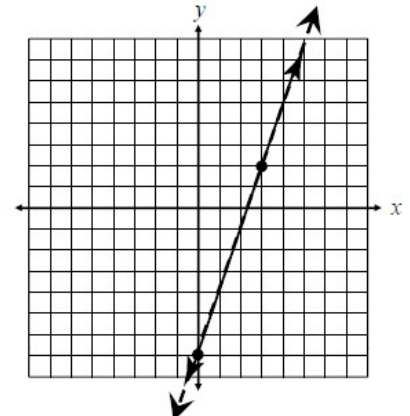
2.)



3.)



4.)



Find the rate of change from the given points.

5.) (1, 2) (6, 2)

6. (-3, 9) (3, 2)

7. (5, 8) (5, -2)

Wednesday: HW#20C

Compute. Write each answer in proper scientific notation.

8.) $(6.3 \times 10^6)(3.2 \times 10^{-9})$ _____ 9.) $\frac{1.2 \times 10^7}{4.8 \times 10^{-3}}$ _____

Write each expression using positive exponents. **Evaluate, if possible.**

10.) x^{-8} _____ 3^{-4} _____ 7^{-2} _____ $9m^{-2}$ _____

11) $\frac{4^{10}}{4^7}$ _____ $\frac{a^4}{a^{-6}}$ _____ $\frac{3^5}{3^9}$ _____ $\frac{5^6}{5^6}$ _____

SIMPLIFY.

12.) $3^{-8} \times 3^4$ _____ $8^5 \times 8^{-2}$ _____

Thursday: HW#20D

Solve each equation.

13. $-61 = 8 - \frac{1}{3}(12w + 42) - w$

14. $-42 = 5(2c + 9) - 3(c + 8)$

15. $6r - 5 = 1 + 8r - 24$

16. $-6(n - 3) = 5(4 - n)$