Week 3 - Weekly Homework
8th Grade

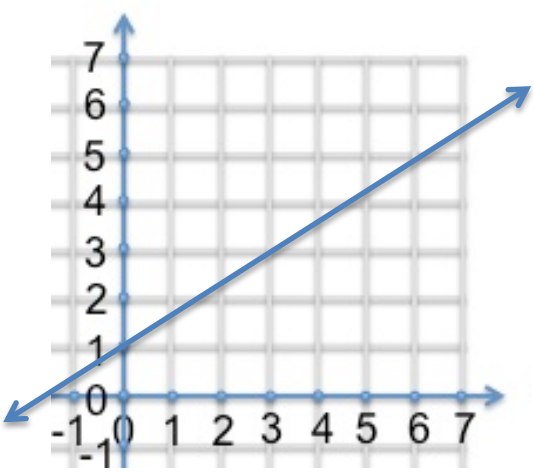
Name: _____
Date: _____

1. Simplify each expression. LEAVE YOUR ANSWERS IN **POSITIVE EXPONENTIAL FORM.**

   a. $r^5 \cdot r^5 =$

   b. $4^{14} \cdot 4^{-3} =$

2. Find the slope AND equation for the graph below.



3. Find the slope using the two given points: (-4, 6) and (2, 8)

4. Solve for y and identify the equation type:

$10y + 3 + 15 = 10y - 4$

a. answer:

b. equation type: consistent, inconsistent or identity?

c. number of solutions:

5. Solve for y AND fill in the missing values in the table: $7y = 21 + 10x + 7 - 3x$

x	0		10	
y		6		16

6. Use the table of values to answer the following:

x	0	5	7	9	12
y	7	27	35	43	55

a. Find the equation that matches the table. (Should be in y= format)

b. Is this a slope-intercept equation or a direct proportion equation? How do you know?