### Proficiency Check 7.1 - Slope Part 1

Perform the following operations and write the answer in Descending Order.

# **Emerging**

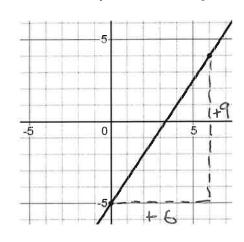
1. What is the slope of the line that passes through the points (3, -2) and (-5, 7)

$$m = \frac{yz-y_1}{yz-x_1}$$
 pt 2

$$m = \frac{7 - (-2)}{-5 - 3} \Rightarrow \frac{7 + 2}{-8} = \frac{9}{-8}$$

### **Emerging**

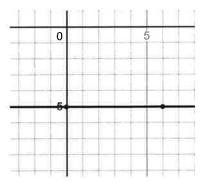
2. What is the slope of the following line.



$$\frac{9}{6} = \frac{3}{2}$$

## **Proficient**

3. What is the slope of the following line.



4. Does the following point exist on the given

**Proficient** 

(2,-5); 
$$y = \frac{1}{2}x - 6$$
 ×  $y$ 

line?

#### **Extending**

5. Find any three points that exist on the line:  $y = -\frac{4}{7}x + 2$ 

Pick any 3 points for x, but be strategie. With a denominator of 7 pick multiples of 7.

I'll pick:

$$x = 7 \rightarrow yz - 4(9) + 2 \rightarrow y = -4 + 2 y = -2$$

$$(14, -6)$$