March 26, 2018

**UNIT 6: LINEAR RELATIONS** 

4.4: MATCHING EQUATIONS AND GRAPHS

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MATH 9



### WHAT'S THE POINT OF TODAY'S LESSON?

We will continue working on the Math 9 Specific Curriculum Outcome (SCO) "Patterns and Relations 2" OR "PR2" which states:

"Graph linear relations, analyze the graph and interpolate or extrapolate to solve problems."



# Warm-Up Crade 9



Graph the following equation. If you use a table of values, choose "nice" numbers for x.)

$$\frac{1}{5}x - y = 1$$

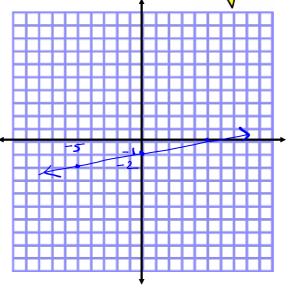
$$\frac{1}{5}$$

$$\frac{1}{5} - \frac{1}{5} = \frac{1}{5} + \frac{1}{5}$$

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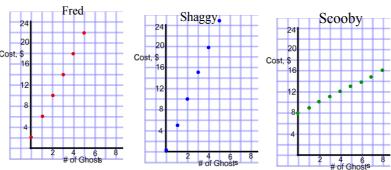
$$\frac{1}{5} - \frac{1}{5} = \frac{1}{5} + \frac{1}{5}$$







Fred, Shaggy and Scooby are hired to find ghosts. Each ghost hunter charges a different rate. These graphs show how the cost is related to the number of ghosts caught.



Match each graph with its equation:

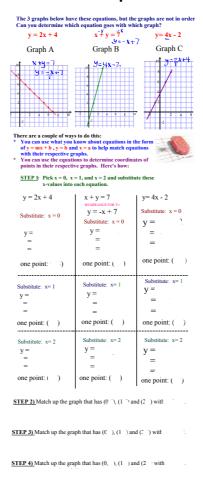
$$C = g + 8$$

$$C = 5g$$

$$C = 4g + 2$$

#### **Explain your strategy:**

- \* Did you plug in a value for g' and see what 'C' is? (ex: g = 1)
- \* Did anyone use a different strategy?



## **CONCEPT REINFORCEMENT:**

## **MMS9:**

page 188: #3 <u>TO</u> #5

page 189: #6 TO #9

page 190: #11<u>TO</u>#13