

# Unit 6 Day 4 Notes

## Writing Linear Equations

### GIVEN A GRAPH

- ✓ Step 1: Identify the slope and y-intercept
- ✓ Step 2: Write the equation in slope-intercept form:  $y = mx + b$

Some Examples...

1



$$m = \frac{3}{1} = 3 \quad b = -3$$

$$\text{Equation: } y = mx + b$$

$$y = 3x - 3$$

2



$$m = \frac{-3}{2} = -\frac{3}{2} \quad b = 2$$

$$\text{Equation: } y = mx + b$$

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

3

$$m = \frac{2}{3}$$

$$b = 2$$



$$\text{Equation: } y = \frac{2}{3}x + 2$$

4



$$\text{Equation: } \underline{\hspace{2cm}}$$

5



$$\text{Equation: } \underline{\hspace{2cm}}$$

6



$$\text{Equation: } \underline{\hspace{2cm}}$$

# Linear Inequalities Gina Wilson Answers

**D Siedentop**



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