**Multiple Choice Practice - Slope Intercept Form** 

 Briana starts with \$50 in her savings account. She earns \$15 per night house-sitting for a neighbor who is out of town. Briana deposits all her money and makes no withdrawals. Which graph best describes the amount of money, *m*, in her bank account after *n* nights? *Justify*.



## Name\_\_\_\_\_ Pd\_\_\_\_ **1.E.6 & 1.E.7**

## Linear Equations: Slope-Intercept Form

$$y = mx + b$$

What information can we find out about a line from this form?

1) 
$$y = 3x - 5$$
 2)  $y = -\frac{2}{3}x + 4$ 

Which equation best describes the scenario? (a) m = 50 + 15n (b) n = 50 + 15m (c) m = 15 + 50n

 2) A cell phone plan costs \$40 to buy a new phone and then \$15 per month for unlimited texting. Which graph describes the cost, *C*, of the plan over time, *t*? *Justify*.



Write the slope-intercept form of the linear equation given the information. 3) m = 2, b = -4

- 4) The slope of the line is  $-\frac{5}{3}$  and the y-intercept is at (0, -1).
- 5) The line passes through (0, 3) and (5, -1).

Which equation best describes the scenario? (a) C = 15m + 40 (b) C = 40m + 15 (c) C = 55m

## Write Slope-Intercept Form Linear Equations from Graphs







1) A taxi charges an initial fee of \$1. The taxi also charges \$2 for Slope-Intercept Form in Real Life & Graphing

every mile traveled. Model the scenario with a graph and equation.



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4) Write your	3) Identify	2) Iqentify	1) Define your

gallon. Model the scenario with a graph and an equation. 2) A woman puts \$30 on a gift card for gas. Gas costs \$3 per



Fow much is left on the card after she pumps 6 gallons?

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