Multiple Choice Practice - Slope Intercept Form

1) 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.


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Linear Equations: Slope-Intercept Form

$$
y=m x+b
$$

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

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

Which equation best describes the scenario?
(a) $m=50+15 n$
(b) $n=50+15 m$
(c) $m=15+50 n$
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) $C=15 m+40$
(b) $C=40 m+15$
(c) $C=55 \mathrm{~m}$





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