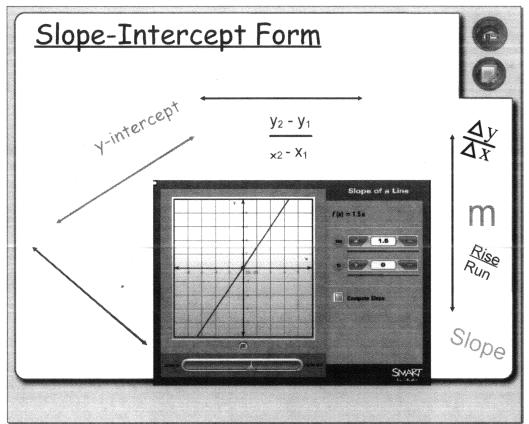
Chapter & Jection 6



Slope activity

Vocabulary

 Linear equation – an equation whose graph is a line.



- y-intercept the y-coordinate of the point where a line crosses the y-axis.
- Slope-intercept form –

$$y = mx + b$$

where m = slope and b = y-intercept.

- Steps: 1. Plot the y-intercept.
 - 2. Use the slope (rise/run) to find two points.
 - 3. Draw the line with arrows.

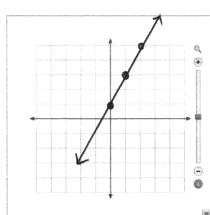
M -> slope b -> 4-intercept

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Graph each equation using the slope and y-intercept.

$$y = 2x + 1$$

$$M = 2 = \frac{3}{1}$$

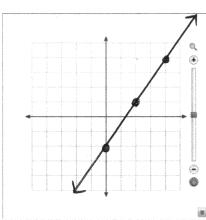


Problem 1

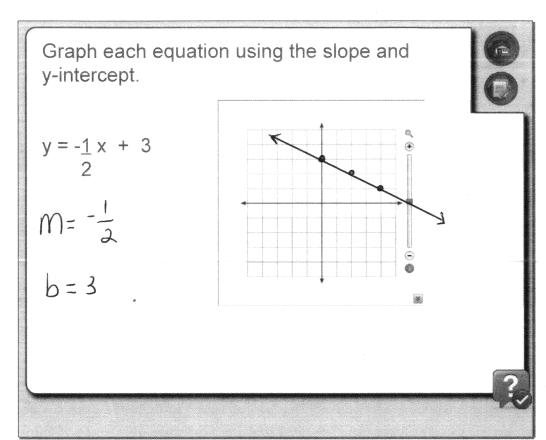
Graph each equation using the slope and y-intercept.

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

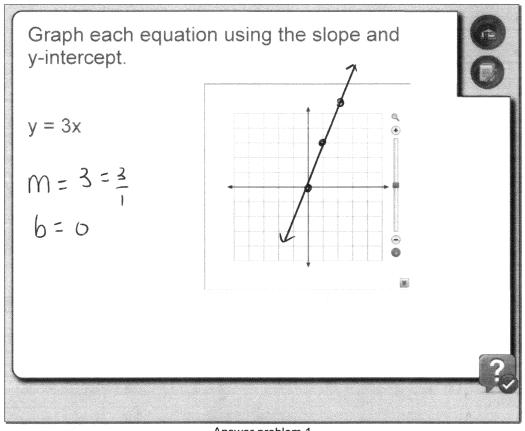
$$M = \frac{3}{2}$$



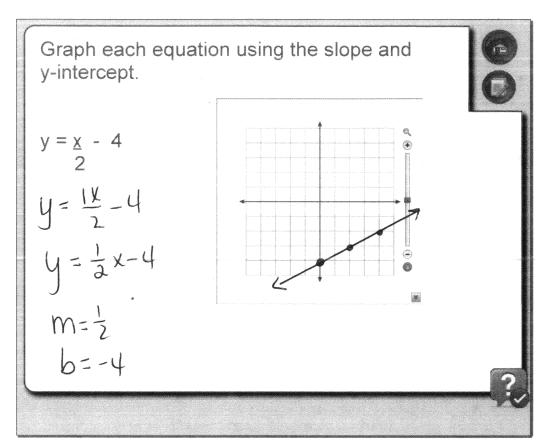
Problem 2



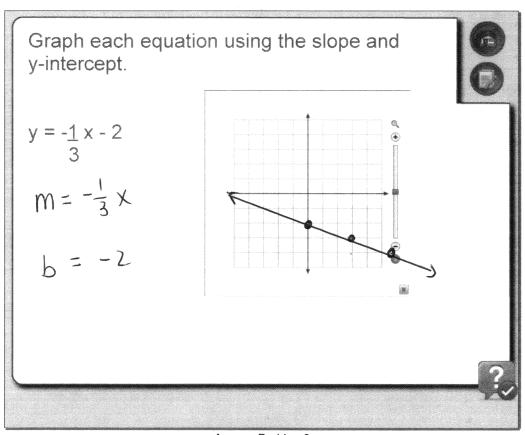
Problem 3



Answer problem 1



Answer Problem 2



Answer Problem3