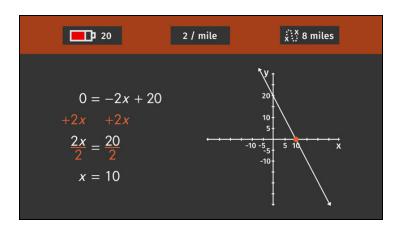
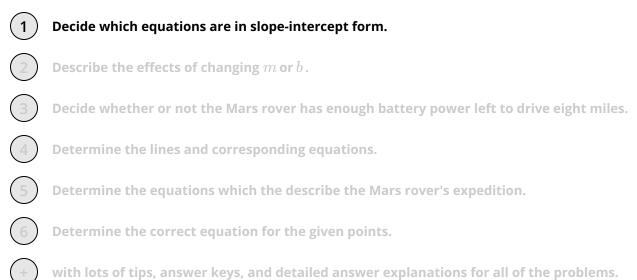
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Slope-Intercept Form





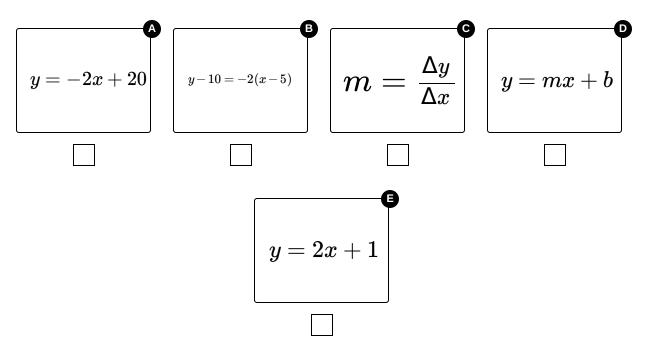


The complete package, **including all problems**, **hints**, **answers**, **and detailed answer explanations** is available for all sofatutor.com subscribers.



Decide which equations are in slope-intercept form.

Choose equations in the correct form.



Hints for solving these problems



Decide which equations are in slope-intercept form.

Hint #1

The slope indicates the steepness of the line.

Hint #2

The y-intercept is the point where the line crosses the y-axis.

Hint #3

The point-slope-form is:

$$y - y_1 = m(x - x_1).$$



Answers and detailed answer explanations for these problems



Decide which equations are in slope-intercept form.

Answer key: A, D, E

The slope-intercept form is:

y = mx + b, where

- ullet m is the slope. The greater the absolute value of the slope, the steeper the line.
- ullet b is the y-intercept, the point where the line crosses the y-axis.
- ullet y=-2x+20 and y=2x+1 are in slope-intercept form.
- $\bullet \ y-10=-2(x-5) \ \text{is the point-slope form of} \ y=-2x+20. \\$
- $m=\frac{\Delta y}{\Delta x}$ is the slope.

