Practice with Linear Equations in Slope-Intercept Form

You will be using a program on the TI-Nspire to practice graphing equations of lines in Slope-Intercept form:

\[
y = mx + b
\]

You will use this worksheet to record your work as you complete tasks.

To begin, follow the instructions below:

1. Open the scratchpad
2. Type in the following text:
   \[
   \text{skills\backslash slopeint()}
   \]
3. Press ‘enter.’

The program will instructions and prompt you for information. Use the blanks below to record your answers. Graph the line on the grid provided. The graph may help answer the questions as well.

- equation: ____________
- slope : ____________
- y-intercept : ____________
- first point : ____________
- second point : ____________
- x-intercept : ____________

PLEASE NOTE: The command uses a back-slash rather than a forward slash. This character can be accessed by pressing the ‘?!’ button. (shortcut is ‘shift’ + ‘+’).
equation: __________
slope: __________
y-intercept: __________
first point: __________
second point: __________
x-intercept: __________

equation: __________
slope: __________
y-intercept: __________
first point: __________
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equation: __________
slope: __________
y-intercept: __________
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second point: __________
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slope: ____________
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equation: ____________
slope: ____________
y-intercept: ____________
first point: ____________
second point: ____________
x-intercept: ____________

equation: ____________
slope: ____________
y-intercept: ____________
first point: ____________
second point: ____________
x-intercept: ____________
Practice with Linear Equations in Point-Slope Form

You will be using a program on the TI-Nspire to practice graphing equations of lines in Point-Slope form:

\[ y - y_1 = m(x - x_1) \]

You will use this worksheet to record your work as you complete tasks.

To begin, follow the instructions below:

1. Open the scratchpad
2. Type in the following text:
   
   \texttt{skill\ptslope()}

3. Press ‘enter.’

The program will instructions and prompt you for information. Use the blanks below to record your answers. Graph the line on the grid provided. The graph may help answer the questions as well.

- equation: __________
- slope: __________
- first point: __________
- second point: __________
- y-intercept: __________
- x-intercept
- slope-intercept form: __________
Practice with Linear Equations in Standard Form

You will be using a program on the TI-Nspire to practice graphing equations of lines in Standard form:

\[ Ax + By = C \]

You will use this worksheet to record your work as you complete tasks.

To begin, follow the instructions below:

1. Open the scratchpad
2. Type in the following text:
   
   \[ \text{skills} \backslash \text{stdform}() \]
   
   3. Press ‘enter.’

   PLEASE NOTE: The command uses a back-slash rather than a forward slash. This character can be accessed by pressing the ‘?!’ button. (shortcut is ‘shift’ + ‘+’)

The program will instructions and prompt you for information. Use the blanks below to record your answers. Graph the line on the grid provided. The graph may help answer the questions as well.

   equation:_____________
   
   x-intercept :_____________

   y-intercept :_____________
   
   first point :_____________
   
   second point :_____________

   slope: :_____________

   slope-intercept form: ____________
equation: ______________
x-intercept: ______________
y-intercept: ______________
first point: ______________
second point: ______________
slope: ______________
slope-intercept form: ______________

equation: ______________
x-intercept: ______________
y-intercept: ______________
first point: ______________
second point: ______________
slope: ______________
slope-intercept form: ______________

equation: ______________
x-intercept: ______________
y-intercept: ______________
first point: ______________
second point: ______________
slope: ______________
slope-intercept form: ______________
equation: ____________
x-intercept : ____________
y-intercept : ____________
first point : ____________
second point : ____________
slope : ____________
slope-intercept form: : ____________

equation: ____________
x-intercept : ____________
y-intercept : ____________
first point : ____________
second point : ____________
slope : ____________
slope-intercept form: : ____________

equation: ____________
x-intercept : ____________
y-intercept : ____________
first point : ____________
second point : ____________
slope : ____________
slope-intercept form: : ____________
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<th>y-intercept</th>
<th>First Point</th>
<th>Second Point</th>
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<th>Slope-Intercept Form</th>
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