$\qquad$

| Graph 1 $-4 x+5 y=60$ <br> Label x intercept and y intercept WITH A COORDINATE NOT JUST A POINT | Show paper and pencil work here <br> What is the slope? $\mathrm{m}=$ $\qquad$ <br> What is the y intercept? ( 0 , $\qquad$ _) $b=$ $\qquad$ <br> What is the x intercept? ( $\qquad$ 0) <br> Convert to slope intercept form $\qquad$ |
| :---: | :---: |
| Specific TI Nspire Skills Necessary <br> - Change from Function Mode to Relation Mode <br> - Change Viewing Window <br> - Create a Table of Values | General TI Nspire Skills Necessary <br> - Start a Document <br> - Start a new Graphs Page <br> - Start a new Calculator Page |
| Graph 2 $y=\frac{3}{4} x+16$ <br> Label x intercept, y intercept, and one additional point WITH A COORDINATE NOT JUST A POINT | Show paper and pencil work here <br> What is the slope? $\mathrm{m}=$ $\qquad$ <br> What is the y intercept? ( 0 , $\qquad$ ) $b=$ $\qquad$ <br> What is the x intercept? ( $\qquad$ ,0) |

EC: You will receive a bonus point on this assessment IF all digital requirements on Desmos Teacher have been met by Sunday!

| Graph 3 $y=\frac{-7}{2}(x+4)-5$ <br> Label x intercept, y intercept, and one additional point WITH A COORDINATE NOT JUST A POINT | Show paper and pencil work here <br> What is the implied point? $\qquad$ , $\qquad$ be careful with signs! <br> What is the slope? $\mathrm{m}=$ $\qquad$ <br> What is the y intercept? $(0$, $\qquad$ ) $b=$ $\qquad$ <br> What is the x intercept? ( $\qquad$ ,0) <br> Convert to slope intercept form $\qquad$ |
| :---: | :---: |
| Specific TI Nspire Skills Necessary <br> - Change from Function Mode to Relation Mode <br> - Change Viewing Window <br> - Create a Table of Values | General TI Nspire Skills Necessary <br> - Start a Document <br> - Start a new Graphs Page <br> - Start a new Calculator Page |
| Graph 4 $\begin{gathered} x=-3 \\ y=8 \end{gathered}$ <br> Label $x$ intercept, y intercept, and point of intersection WITH A COORDINATE NOT JUST A POINT | Show paper and pencil work here <br> What is the slope of the line $x=-3$ ? $m=$ $\qquad$ <br> (Hint: the answer is either 0 or undefined) <br> What is the slope of the line $y=8$ ? $\mathrm{m}=$ $\qquad$ (Hint: the answer is either 0 or undefined) <br> What is the y intercept? ( 0 , $\qquad$ ) $b=$ $\qquad$ <br> What is the x intercept? ( $\qquad$ ,0) |

EC: If you could improve one thing about yourself, what would it be and why?
$\qquad$

| Graph 1 $-3 x+6 y=24$ <br> Label x intercept and y intercept WITH A COORDINATE NOT JUST A POINT | Show paper and pencil work here <br> What is the slope? $\mathrm{m}=$ $\qquad$ <br> What is the y intercept? ( 0 , $\qquad$ ) $b=$ $\qquad$ <br> What is the x intercept? $\qquad$ ,0) <br> Convert to slope intercept form $\qquad$ |
| :---: | :---: |
| Specific TI Nspire Skills Necessary <br> - Change from Function Mode to Relation Mode <br> - Change Viewing Window <br> - Create a Table of Values | General TI Nspire Skills Necessary <br> - Start a Document <br> - Start a new Graphs Page <br> - Start a new Calculator Page |
| Graph 2 $y=\frac{5}{3} x+12$ <br> Label x intercept, y intercept, and one additional point WITH A COORDINATE NOT JUST A POINT | Show paper and pencil work here <br> What is the slope? $\mathrm{m}=$ $\qquad$ <br> What is the y intercept? $(0$, $\qquad$ $b=$ $\qquad$ <br> What is the x intercept? ( $\qquad$ ,0) |

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| Graph 3 $y=\frac{-3}{5}(x+10)+3$ <br> Label x intercept, y intercept, and one additional point WITH A COORDINATE NOT JUST A POINT | Show paper and pencil work here <br> What is the implied point? $\qquad$ , $\qquad$ be careful with signs! <br> What is the slope? $\mathrm{m}=$ $\qquad$ <br> What is the y intercept? $(0$, $\qquad$ ) $b=$ $\qquad$ <br> What is the x intercept? ( $\qquad$ ,0) <br> Convert to slope intercept form $\qquad$ |
| :---: | :---: |
| Specific TI Nspire Skills Necessary <br> - Change from Function Mode to Relation Mode <br> - Change Viewing Window <br> - Create a Table of Values | General TI Nspire Skills Necessary <br> - Start a Document <br> - Start a new Graphs Page <br> - Start a new Calculator Page |
| Graph 4 $\begin{gathered} x=-7 \\ y=1 \end{gathered}$ <br> Label x intercept, y intercept, and point of intersection WITH A COORDINATE NOT JUST A POINT | Show paper and pencil work here <br> What is the slope of the line $x=-7$ ? $m=$ $\qquad$ <br> (Hint: the answer is either 0 or undefined) <br> What is the slope of the line $\mathrm{y}=1$ ? $\mathrm{m}=$ $\qquad$ (Hint: the answer is either 0 or undefined) <br> What is the y intercept? ( 0 , $\qquad$ ) $b=$ $\qquad$ <br> What is the x intercept? ( $\qquad$ ,0) |

EC: If you could improve one thing about yourself, what would it be and why?
$\qquad$

| Graph 1 $-4 x+8 y=48$ <br> Label x intercept and y intercept WITH A COORDINATE NOT JUST A POINT | Show paper and pencil work here <br> What is the slope? $\mathrm{m}=$ $\qquad$ <br> What is the y intercept? ( 0 , $\qquad$ _) $b=$ $\qquad$ <br> What is the x intercept? ( $\qquad$ 0) <br> Convert to slope intercept form $\qquad$ |
| :---: | :---: |
| Specific TI Nspire Skills Necessary <br> - Change from Function Mode to Relation Mode <br> - Change Viewing Window <br> - Create a Table of Values | General TI Nspire Skills Necessary <br> - Start a Document <br> - Start a new Graphs Page <br> - Start a new Calculator Page |
| Graph 2 $y=\frac{8}{3} x+15$ <br> Label x intercept, y intercept, and one additional point WITH A COORDINATE NOT JUST A POINT | Show paper and pencil work here <br> What is the slope? $\mathrm{m}=$ $\qquad$ <br> What is the y intercept? ( 0 , $\qquad$ ) $b=$ $\qquad$ <br> What is the x intercept? ( $\qquad$ ,0) |

EC: You will receive a bonus point on this assessment IF all digital requirements on Desmos Teacher have been met by Sunday!
Graph 3
$y=\frac{-5}{6}(x+12)-3$
Label $x$ intercept, y intercept, and one additional po
WITH A COORDINATE NOT JUST A POINT

What is the implied point? $\qquad$
$\qquad$ be careful with signs!

What is the slope? $\mathrm{m}=$ $\qquad$

What is the y intercept? ( 0 , $\qquad$ $b=$ $\qquad$

What is the x intercept? ( $\qquad$ ,0)

Convert to slope intercept form $\qquad$

## General TI Nspire Skills Necessary

Specific TI Nspire Skills Necessary

- Change from Function Mode to Relation Mode
- Change Viewing Window
- Create a Table of Values

Graph 4
$x=-8$
$y=3$
Label x intercept, y intercept, and point of intersection
WITH A COORDINATE NOT JUST A POINT


- Start a Document
- Start a new Graphs Page
- Start a new Calculator Page

Show paper and pencil work here

What is the slope of the line $x=-8$ ? $m=$ $\qquad$
(Hint: the answer is either 0 or undefined)
What is the slope of the line $\mathrm{y}=3$ ? $\mathrm{m}=$ $\qquad$
(Hint: the answer is either 0 or undefined)

What is the $y$ intercept? ( 0 , $\qquad$ $b=$ $\qquad$

What is the x intercept? $\qquad$ ,0)

EC: If you could improve one thing about yourself, what would it be and why?
$\qquad$

| Graph 1 $-5 x+10 y=60$ <br> Label x intercept and y intercept WITH A COORDINATE NOT JUST A POINT | Show paper and pencil work here <br> What is the slope? $\mathrm{m}=$ $\qquad$ <br> What is the y intercept? ( 0 , $\qquad$ ) $b=$ $\qquad$ <br> What is the x intercept? ( $\qquad$ ,0) <br> Convert to slope intercept form $\qquad$ |
| :---: | :---: |
| Specific TI Nspire Skills Necessary <br> - Change from Function Mode to Relation Mode <br> - Change Viewing Window <br> - Create a Table of Values | General TI Nspire Skills Necessary <br> - Start a Document <br> - Start a new Graphs Page <br> - Start a new Calculator Page |
| Graph 2 $y=\frac{9}{4} x+15$ <br> Label x intercept, y intercept, and one additional point WITH A COORDINATE NOT JUST A POINT | Show paper and pencil work here <br> What is the slope? $\mathrm{m}=$ $\qquad$ <br> What is the y intercept? $(0$, $\qquad$ ) $b=$ $\qquad$ <br> What is the x intercept? $\qquad$ ,0) |

EC: You will receive a bonus point on this assessment IF all digital requirements on Desmos Teacher have been met by Sunday!

| Graph 3 |
| :---: |
| $y=\frac{-6}{5}(x+30)-7$ |
| Label x intercept, y intercept, and one additional point |
| WITH A COORDINATE NOT JUST A POINT |
|  |
|  |
|  |

What is the implied point? $\qquad$
$\qquad$ be careful with signs!

What is the slope? $\mathrm{m}=$ $\qquad$

What is the y intercept? ( 0 , $\qquad$ $b=$ $\qquad$

What is the x intercept? ( $\qquad$ ,0)

Convert to slope intercept form $\qquad$
General TI Nspire Skills Necessary

Specific TI Nspire Skills Necessary

- Change from Function Mode to Relation Mode
- Change Viewing Window
- Create a Table of Values

Graph 4
$x=-9$
$y=6$
Label x intercept, y intercept, and point of intersection
WITH A COORDINATE NOT JUST A POINT


- Start a Document
- Start a new Graphs Page
- Start a new Calculator Page

What is the slope of the line $x=-9$ ? $m=$ $\qquad$
(Hint: the answer is either 0 or undefined)
What is the slope of the line $y=6 ? m=$ $\qquad$
(Hint: the answer is either 0 or undefined)
What is the y intercept? ( 0 , $\qquad$ $b=$ $\qquad$
What is the x intercept? $\qquad$ ,0)

EC: If you could improve one thing about yourself, what would it be and why?

