Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Formative Assessment Hour \_\_\_\_\_\_\_ Date: 8/7/23 ALPHA

Paper and Pencil Sketching of Lines

|  |  |  |  |
| --- | --- | --- | --- |
|  | Graph 12x + 4y = 8Label x intercept and y intercept |  | Graph 2$$y=\frac{2}{3}x-6$$Label y intercept and at least one additional point |
|  | Graph 3$$y=\frac{-3}{2}\left(x-6\right)+4$$Label implied point and at least one additional point |  | Graph 4 x = -3y = 4Label any intercepts and the point of intersection of the system |

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Formative Assessment Hour \_\_\_\_\_\_\_ Date: 8/7/23 BRAVO

Paper and Pencil Sketching of Lines

|  |  |  |  |
| --- | --- | --- | --- |
|  | Graph 13x + 6y = 12Label x intercept and y intercept |  | Graph 2$$y=\frac{3}{4}x-12$$Label y intercept and at least one additional point |
|  | Graph 3$$y=\frac{-5}{2}\left(x-8\right)+4$$Label implied point and at least one additional point |  | Graph 4x = 4y = -5Label any intercepts and the point of intersection of the system |

Use the Graphing Calculator to check each sketch. Remember Analyze Graph and Ctrl T will help you a lot in this class!

1. Circle all the graphs you got correct Graph 1 Graph 2 Graph 3 Graph 4
2. If you made any errors in graphing, briefly explain your errors.
3. Do you feel confident that you would NOT make any errors with paper and pencil sketching of graphs of lines in the future?

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Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Formative Assessment Hour \_\_\_\_\_\_\_ Date: 8/7/23 DELTA

Paper and Pencil Sketching of Lines

|  |  |  |  |
| --- | --- | --- | --- |
|  | Graph 15x + 4y = 20Label x intercept and y intercept |  | Graph 2$$y=\frac{5}{6}x-30$$Label y intercept and at least one additional point |
|  | Graph 3$$y=\frac{-5}{8}\left(x-8\right)+6$$Label implied point and at least one additional point |  | Graph 4 x = -7y = 8Label any intercepts and the point of intersection of the system |

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Formative Assessment Hour \_\_\_\_\_\_\_ Date: 8/7/23 GAMMA

Paper and Pencil Sketching of Lines

|  |  |  |  |
| --- | --- | --- | --- |
|  | Graph 18x + 6y = 48Label x intercept and y intercept |  | Graph 2$$y=\frac{9}{4}x-36$$Label y intercept and at least one additional point |
|  | Graph 3$$y=\frac{-5}{7}\left(x-14\right)+2$$Label implied point and at least one additional point |  | Graph 4x = -6y = 3Label any intercepts and the point of intersection of the system |

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Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Formative Assessment Hour \_\_\_\_\_\_\_ Date: 8/7/23 OMEGA

Paper and Pencil Sketching of Lines

|  |  |  |  |
| --- | --- | --- | --- |
|  | Graph 17x + 8y = 56Label x intercept and y intercept |  | Graph 2$$y=\frac{9}{5}x-45$$Label y intercept and at least one additional point |
|  | Graph 3$$y=\frac{-11}{9}\left(x-9\right)+4$$Label implied point and at least one additional point |  | Graph 4 x = 6y = -13Label any intercepts and the point of intersection of the system |

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Formative Assessment Hour \_\_\_\_\_\_\_ Date: 8/7/23 EPILSON

Paper and Pencil Sketching of Lines

|  |  |  |  |
| --- | --- | --- | --- |
|  | Graph 15x + 7y = 35Label x intercept and y intercept |  | Graph 2$$y=\frac{10}{3}x-30$$Label y intercept and at least one additional point |
|  | Graph 3$$y=\frac{-13}{4}\left(x-8\right)+1$$Label implied point and at least one additional point |  | Graph 4x = 9y = -14Label any intercepts and the point of intersection of the system |

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3. Do you feel confident that you would NOT make any errors with paper and pencil sketching of graphs of lines in the future?

Use the Graphing Calculator to check each sketch. Remember Analyze Graph and Ctrl T will help you a lot in this class!

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2. If you made any errors in graphing, briefly explain your errors.
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Guided Practice and Notes Date: 8/7/23 Paper and Pencil Sketching of Lines

|  |  |  |  |
| --- | --- | --- | --- |
|  | Graph 13x + 10y = -30Label x intercept and y intercept |  | Graph 2$$y=\frac{8}{11}x-88$$Label y intercept and at least one additional point |
|  | Graph 3$$y=\frac{-3}{13}\left(x-26\right)+2$$Label implied point and at least one additional point |  | Graph 4 x = -33y = 44Label any intercepts and the point of intersection of the system |

1. Which of the lines above is called a vertical line?

State the vertical line’s equation \_\_\_\_\_and give its only intercept as a point \_\_\_\_\_\_\_\_\_

Use the variable n and a number to give the set of all points that lie on this line.\_\_\_\_\_\_\_\_\_\_

1. Which of the graphs above is called (modified) point slope form of the line? Graph 1 Graph 2 Graph 3 Graph 4
2. Which of the graphs above is called standard form of the line? Graph 1 Graph 2 Graph 3 Graph 4
3. Which of the graphs above is called slope intercept form of the line? Graph 1 Graph 2 Graph 3 Graph 4
4. Which of the lines above is called a horizontal line?

State the horizontal line’s equation \_\_\_\_\_and give its only intercept as a point \_\_\_\_\_\_\_\_\_

Use the variable p and a number to give the set of all points that lie on this line.\_\_\_\_\_\_\_\_\_

1. Rewrite the point slope line in slope intercept form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Rewrite the standard form line in slope intercept form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_