

REVIEW OF GRAPHING LINEAR AND ABSOLUTE VALUE EQUATIONS AND INEQUALITIES

1. Given the following equation, $y = 4x - 3$, graph it as well as find the following:
 - x-intercept
 - y-intercept
 - slope
 - one additional point
 - Express the equation in Standard Form
2. Given the following equation, $3x - 6y = 9$, graph it as well as find the following:
 - x-intercept
 - y-intercept
 - slope
 - one additional point
 - express the equation in Slope-Intercept Form
3. Given the following equation, $4(x - 2y) - 6 = 3x - 8y + 1$, graph it as well as find the following:
 - x-intercept
 - y-intercept
 - slope
 - one additional point
 - express the equation in Slope-Intercept Form
 - express the equation in Standard Form
4. Given the following equation, $-2x - 8 < 4y$, graph it as well as find the following:
 - x-intercept
 - y-intercept
 - slope
 - one additional point
 - express the equation in Slope-Intercept Form
 - express the equation in Standard Form
5. Given the following equation, $2y = 4|x - 2| + 8$, graph it as well as find the following:
 - x-intercept(s)
 - y-intercept
 - slope(s)
 - one additional point
 - express the equation in Standard Form
 - Point of symmetry to the y-intercept
 - Vertex (Maximum/Minimum point)
 - Express the Axis of Symmetry

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6. Given the following equation, $-2y - 4 < -6|x - 4| - 4$, graph it as well as find the following:

- x-intercept(s)
- y-intercept
- slope(s)
- one additional point
- express the equation in Standard Form
- Point of symmetry to the y-intercept
- Vertex (Maximum/Minimum point)
- Express the Axis of Symmetry

7. Express the following algebraically.

- Linear equation in Standard Form
- Linear equation in Slope-Intercept Form
- Absolute Value equation in Standard Form

8. Identify the following from the algebraic representation of a linear equation in Standard Form:

- Slope
- x-intercept
- y-intercept

9. Identify the following from the algebraic representation of a linear equation in Slope-Intercept Form:

- Slope
- x-intercept
- y-intercept

10. Identify the following from the algebraic representation of an absolute value equation in Standard Form:

- Slope(s)
- vertex
- minimum/maximum point
- Axis of Symmetry