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|--|---|------|
| Pre-Calc Quiz 1 1.1 – 1.3 | Date | |
| 1. Two ways to graph a linear equation | 1 are or | |
| Two ways to write a linear equation and | are form. Write an example for each form of a li | form |

- 3. Write the formula to solve for the slope given (x_1, y_1) and (x_2, y_2)
- 4. Write a line that is parallel to y = 4x + 3 and goes through the point (1,8)

5. Write a perpendicular line to y = -3x - 12 and goes through the point (6, -4)

6. Sketch a graph for the following (Remember to label your x and y axis) A) 4x + 3y = 12B) $y = \frac{1}{2}x - 7$

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| | | |
| 7. In order to be considered a function, a graph must pass the | | |

8. Use f(x) = 3x + 2 and $g(x) = x^2 - 5$ to find:

(f + g)(x) =

(f - g)(x) =

$$(\mathbf{f} \cdot \mathbf{g})(\mathbf{x}) =$$

(f/g)(x) =

f(g(x)) =

g(f(x)) =