Graphing Linear Equations Worksheet

*Drawing Lines in the Sand (On a Graph, We Mean)*

Solve the following linear equations by graphing.

1. \[ y = 2x, \quad y = x - 5 \]
2. \[ y = \frac{1}{2}x, \quad y = 4 - x \]
3. \[ y = 2, \quad x = 2 \]
4. \[ y = 2x - 5, \quad y = 4x - 10 \]
5. \[ 18x + 12y = 36, \quad y = 3 - \frac{3}{2}x \]
6. \[ y = 3x, \quad y = 3x + 1 \]
7. $y = 4x + 3$, $y = 5x + 5$

9. $y = 3x + 7$, $y = 2x$

8. $y = 2x + 1$, $y = 2x + 3$

10. $y = -2x + \frac{1}{2}$, $y = -3x - 3$