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Graphs of Systems of Equations - Practice Worksheet

Name: _____ Date: _____

Instructions: Graph each system of equations on the coordinate grid provided. Identify the solution as an ordered pair, 'no solution', or 'infinitely many solutions'.

1. $y = x + 1$ and $y = -x + 3$

2. $y = 2x - 1$ and $y = x + 2$

3. $y = -x + 4$ and $y = x - 2$

4. $y = 3x - 2$ and $y = -x + 6$

5. $y = (1/2)x + 3$ and $y = (1/2)x - 1$

6. $y = 2x + 1$ and $y = 2x + 1$

7. $y = -2x + 5$ and $y = x - 1$

8. $2x + y = 6$ and $x - y = 0$

9. $3x - y = 4$ and $x + 2y = 6$

10. $2x + 3y = 12$ and $x - y = 1$

Answer Key

1. (1, 2)
2. (3, 5)
3. (3, 1)
4. (2, 4)
5. No solution (parallel lines)
6. Infinitely many solutions (same line)
7. (2, 1)
8. (2, 2)
9. (2, 2)
10. (3, 2)