

Lesson #12-3 Understanding and Solving Systems of Equations: Graphing Method
(Reference: Lesson #55 in book)**Problem**

1. For each of the following systems of equations, please solve the system by graphing method and expression the solution as a coordinate point.(SHOW ALL OF YOUR WORK.)

1. $2x + y = -2$

$3x + y = -5$

2. $x - 2y = 6$

$x + 2y = 2$

3. $8x - 4y = 16$

$8x + 2y = 4$

4. $6x - 4y = 24$

$8x + 2y = 10$

5. $6x + 2y = 14$

$-4x + 2y = -6$

6. $3x - 6y = 18$

$-2x + 4y = -12$

7. $-4x - 2y = -10$

$6x - 4y = 8$

8. $3x + 3y = -6$

$4x - 6y = -18$

9. $5x - 5y = -25$

$-6x + 2y = -2$

10. $2x + 3y = 18$

$-4x - 6y = 24$