

EXTRA PRACTICE — Exercises

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Unit III – First Degree Relations with Two Placeholders Part D – Solution Sets for Systems of Two Open Sentences **Lesson 1 – Graphic Solution for Equations**

Find the solution for each of the following systems of simultaneous linear equations, by graphing the solution set line of each.

1. $y = x + 4$

$$y = -x + 2$$

2. $3x + 4y = 10$

$$x - 2y = 0$$

3. $2x + y = -5$

$$y = \frac{-1}{3}x$$

4. $x + 2y = 7$

$$2x - y = 9$$

5. $x - y = 1$

$$2x + y = 5$$

6. $y = 8 - x$

$$\frac{y}{2} = x + \frac{5}{2}$$

7. $2x = 4 - y$

$$\frac{-3}{2}x + \frac{1}{4}y = -1$$

8. $6x - 2(5y - 2x) + 12y = 10$

$$-5x - (y - 8x) + 2y - 3 = 0$$

9. $0.4x - 0.2y = 0.6$

$$0.6x + 0.3y = -0.9$$

EXTRA PRACTICE — Answer Key

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Find the solution for each of the following systems of simultaneous linear equations, by graphing the solution set line of each.

1. $(-1, 3)$

2. $(2, 1)$

3. $(-3, 1)$

4. $(5, 1)$

5. $(2, 1)$

6. $(1, 7)$

7. $(1, 2)$

8. $(1, 0)$

9. $(0, -3)$