

Student: _____
Date: _____
Time: _____

Instructor: courtney trabue
Course: GMC LSS Mathematics
Book: Martin-Gay: Developmental
Mathematics

Assignment: MAT 097 Solving Linear
Equations (93)

1. Solve the equation.

$$-5y + 7 = -4(2y + 5)$$

$$y = \square$$

(Type an integer or a simplified fraction.)

2. Solve the equation for x.

$$-2(3x - 4) = 4x$$

$$x = \square \text{ (Type an integer or a fraction. Simplify your answer.)}$$

3. Solve the equation.

$$5(3y - 1) - 3(2y) = 16$$

$$y = \square$$

(Type an integer or a simplified fraction.)

4. Solve the equation for x.

$$-8(x - 6) + 8 = 56$$

$$x = \square \text{ (Type an integer or a fraction. Simplify your answer.)}$$

5. Solve the equation.

$$10 - 2(a - 1) = 6 + a$$

$$a = \square$$

(Type an integer or a fraction. Simplify your answer.)

6. Solve the equation for x.

$$\frac{3}{10}x - \frac{1}{5} = 1$$

$$x = \square \text{ (Type an integer or a fraction. Simplify your answer.)}$$

7. Solve the equation for x.

$$0.80x + 0.60(90) = 0.40(69)$$

$$x = \square$$

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8. Solve the equation for x.

$$\frac{6(x+5)}{4} = 5x - 3$$

x = (Type an integer or a fraction. Simplify your answer.)

9. Solve the equation for x.

$$8x + \frac{7}{6} = 9x - \frac{7}{6}$$

x =

(Type an integer or a fraction. Simplify your answer. Type N if there is no solution. Type R if the answer is all real numbers.)

10. Solve the equation for y.

$$0.12(y - 2) + 0.18y = 0.20y - 0.03(20)$$

y = (Type a decimal.)

11. Solve the equation for x.

$$8x - 2 = 8(x - 2)$$

x =

(Type an integer or a fraction. Simplify your answer. Type N if there is no solution. Type R if the answer is all real numbers.)

12. Solve the equation for t.

$$-2(t - 2) + 8t = 9t - 6$$

t =

(Type an integer or a fraction. Simplify your answer. Type N if there is no solution. Type R if the answer is all real numbers.)

13. Solve the equation for x.

$$2(7x + 2) + 4 = 14x + 8$$

x =

(Type an integer or a fraction. Simplify your answer. Type N if there is no solution. Type R if the answer is all real numbers.)

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14. Solve the equation for n.

$$9(2n - 5) = (3n + 9) + 6$$

n = (Type an integer or a fraction. Simplify your answer.)

15. Solve the equation for x.

$$\frac{x}{3} - 1 = \frac{x}{5} + 1$$

x =
(Type an integer or a simplified fraction.)

16. Solve the equation for x.

$$8(x - 1) - 8 = 5x + 3(-4 + x)$$

x =
(Type an integer or a fraction. Simplify your answer. Type N if there is no solution. Type R if the answer is all real numbers.)