

Section 4.3 – Equations with Two Variables

Problem Set 1

Solve the following equations for y .

1. $4y + 2 = 6x$

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

3. $y + x = 4x + 3(y + 6)$

4. $x(4 + 8) = y + 4(x - 5)$

5. $\frac{4}{5}(x + 2) = -\frac{3}{4}(y + 2) + 4$

6. $y + 4(y + x) = x + 2$

7. $\frac{5x}{4} + \frac{y}{4} = y - 5$

8. $y + 5x = 6x(x + 2) = 0$

9. $\frac{x}{y} = 4$

10. $y + 3x = 6 + 3x$

11. $xy = 8$

12. $-3(x - 5) = 4y + 3(x - 2)$

13. $x + 2y = y + 14$

14. $y + 4x + 2 = 3y + x$

15. $3y + 2x = 2x$