

Section 4.3 – Equations with Two Variables

Problem Set 2

Solve the following equations for y .

1. $2y + 1 = 4x$

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

3. $y + 2x + 1 = 1y + x$

4. $x(2+6) = y + 2(x-3)$

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

6. $y + 2(y+x) = x + 1$

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

8. $y + 3x = 4x(x+1) = 0$

9. $y + x = 2x + 1(y+4)$

10. $\frac{x}{y} = 2$

11. $y + x = 4 + x$

12. $-(x-3) = 2y + 1(x-2)$

13. $x + 2y = y - 4x$

14. $3x - \frac{4}{5} + 2x = 3y + 2y$

15. $3x + 2xy = 1$