

Linear Equations – 408

Solve each of the following equations

1. $9 + 5a = -2$

2. $-4a - 8 = -3a + 7$

3. $2x + 7 - 3x + 4 = -2x$

4. $8x - 1 + 3x + 5 = 7x + 3 - 4x + 5$

5. $3 - 5(2m - 5) = -2$

6. $5 + 2(4x - 4) = 3(2x - 1)$

7. $20 = 8 - 5(2x - 3) + 4x$

8. $\frac{1}{2}x + \frac{1}{4} = \frac{1}{3}x + \frac{5}{4}$

9. $\frac{1}{2}y - \frac{2}{7} = \frac{1}{7}y + \frac{11}{14}$

10. $\frac{3}{5}(5x + 10) = \frac{5}{6}(12x - 18)$

SOLUTIONS

1. $-11/5$

2. -15

3. -11

4. $1/2$

5. 3

6. 0

7. $1/2$

8. 6

9. 3

10. 3