

Absolute Value Equations – 408

Solve each of the following.

1. $|x - 4| = \frac{5}{3}$

2. $1 = |3 - x|$

3. $|a + 3| = \frac{7}{5}$

4. $\left| \frac{3}{5}a + \frac{1}{2} \right| = 1$

5. $|8 - 7y| + 9 = 1$

6. $1 = -3 + \left| 2 - \frac{1}{4}y \right|$

7. $|2x + 5| - 2 = 9$

8. $|2x - 5| = 3$

9. $|2a - 6| - 1 = 2$

10. $8 - |3x + 5| = 5$

Absolute Value Equations – 408 Solutions

Solve each of the following.

1. $\left\{\frac{7}{3}, \frac{17}{3}\right\}$

2. $\{2, 4\}$

3. $\left\{-\frac{8}{5}, -\frac{22}{5}\right\}$

4. $\left\{\frac{5}{6}, -\frac{5}{2}\right\}$

5. $\{ \}$

6. $\{-8, 24\}$

7. $\{3, -8\}$

8. $\{4, 1\}$

9. $\left\{\frac{3}{2}, \frac{9}{2}\right\}$

10. $\left\{-\frac{2}{3}, -\frac{8}{3}\right\}$