Symbolab

Quadratic Equations

Quadratic Formula

Formula: With Fractions

1. *solve by quadratic formula* $\frac{1}{3}x^2 - \frac{3}{2}x + \frac{5}{3} = 0$

2. *solve by quadratic formula* $\frac{1}{4}x^2 - \frac{1}{32}x - \frac{7}{32} = 0$

3. *solve by quadratic formula* $x^2 - \frac{7}{6}x + \frac{1}{3} = 0$

4. *solve by quadratic formula* $\frac{z^2}{6} - \frac{3z}{2} - 6 = 0$

5. *solve by quadratic formula* $\frac{z^2}{6} - \frac{5z}{2} - 9 = 0$

6. *solve by quadratic formula* $x^2 - \frac{1}{2}x - \frac{3}{16} = 0$

7. *solve by quadratic formula* $\frac{x^2}{4} - \frac{5x}{2} + 6 = 0$

8. *solve by quadratic formula* $6x^2 + \frac{5}{2}x + \frac{1}{4} = 0$

9. *solve by quadratic formula* $z^2 - \frac{3}{2}z + \frac{9}{16} = 0$

10. *solve by quadratic formula* $x^2 - \frac{1}{2}x - \frac{3}{16} = 0$

Symbolab

Answers

Quadratic Equations

Quadratic Formula

Formula: With Fractions

1. $x = \frac{5}{2}, x = 2$

2. $x = 1, x = -\frac{7}{8}$

3. $x = \frac{2}{3}, x = \frac{1}{2}$

4. $z = 12, z = -3$

5. $z = 18, z = -3$

6. $x = \frac{3}{4}, x = -\frac{1}{4}$

7. $x = 6, x = 4$

8. $x = -\frac{1}{6}, x = -\frac{1}{4}$

9. $z = \frac{3}{4}$

10. $x = \frac{3}{4}, x = -\frac{1}{4}$