

1. Solve for x : $2(x - 5) - 5 = 3x - (7 - 7x)$.

2. Find all solutions to $(x - 5)^2 = 2x + 70$.

3. Find all solutions to $\frac{x^2 - 9x + 20}{x + 1} = 0$.

4. Solve for x : $\frac{x^2 - 16}{x + 4} = 0$.

5. Solve for x : $\frac{2x - 1}{x + 2} + \frac{x + 2}{2x - 1} = \frac{10}{3}$.

6. Solve for x : $x + 8 - 2(x + 1) = 3x - 6$

7. Find all solutions to $\frac{x + 2}{x + 1} = \frac{1}{x + 1} + 2$.

8. Solve for x : $1 + \sqrt{2x + 6} = x$.