

Simple Rational Equations and Simple Absolute Value Equations

Task 1. Solve the following equations algebraically.

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

2. $\frac{x^2-2x}{x} = x - 2$

3. $\frac{x-1}{x-2} = \frac{x-3}{x-4}$

Task 2. Solve the equation algebraically and graphically.

1. $|x - 1| = 3$

2. $|x + 2| = 5$