

Quiz 175

Solve. Check for extraneous solutions.

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

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

3.
$$\frac{x+2}{3x} - \frac{1}{x} = \frac{x-1}{9x}$$

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

5.
$$\frac{x}{x+2} = \frac{x+16}{x^2-3x-10}$$