

Quiz 129

Solve. Check for extraneous solutions.

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

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

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

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

5.
$$\frac{x}{x-2} - \frac{2}{x+3} = \frac{10}{x^2+x-6}$$