

Solving Rational Equations

Block: _____ Mark Out Of 12 _____

Solve each equation. Remember to check for extraneous solutions.

1) $\frac{4}{b^2} = \frac{2}{5b^2} + \frac{8b-8}{5b^2}$

2) $\frac{x+5}{x-4} + 1 = \frac{x-3}{x-4}$

3) $\frac{1}{x-3} = 1 - \frac{x+6}{x^2-3x}$

4) $\frac{1}{r-2} + \frac{1}{r} = \frac{r-1}{r-2}$