Worksheet #4: Solving Rational Equations

Solve. Check for extraneous solutions.

1. $\dfrac{9}{3x} = \dfrac{4}{x+2}$	2. $\dfrac{8}{3x-2} = \dfrac{2}{x-1}$
3. $\dfrac{x-3}{x+5} = \dfrac{x}{x+2}$	4. $\dfrac{4(x-4)}{x^2-+2x-8} = \dfrac{4}{x+4}$
5. $\dfrac{2}{3x} + \dfrac{1}{6} = \dfrac{4}{3x}$	6. $\dfrac{1}{2x} + \dfrac{3}{x+7} = \dfrac{-1}{x}$

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Richard Bailey

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