Homework – Solving Rational Equations #4

Solve for x. Solutions are listed below.

1) $\dfrac{-2}{x-1} = \dfrac{x-8}{x+1}$

2) $\dfrac{3x}{x+1} + \dfrac{6}{2x} = \dfrac{7}{x}$

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

Answer Key

1) $x = 2, 5$

2) $x = \dfrac{-2}{3}, 2$

3) $x = -4$