1 $8\left(2x - \dfrac{1}{2}\right) - 12x\left(x + \dfrac{1}{3}\right) = 24(x - 1)^2 - (3x + 1).$

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

3 $\dfrac{(x + 1)(x - 2)}{5} - \dfrac{(x - 1)(x + 2)}{2} = 3.$

4 $(2x - 5)(x - 4) - 7 = (x - 2)(x - 3).$

5 $\dfrac{x(x + 1)}{4} = \dfrac{x - 5}{12} + \dfrac{5(2x - 1)}{6}.$

6 $\dfrac{2 - x}{2 + 2x} + \dfrac{2 + x}{2 - x} = \dfrac{12 + 5x}{6 + 6x};$

7 $\dfrac{x + 1}{x - 1} + 2 = \dfrac{3 - x}{x + 3};$

8 $\dfrac{4 - x}{x} - \dfrac{5x + 1}{x - 1} = \dfrac{4}{x - x^2};$

9 $5x\left(1 + \dfrac{1}{x} + \dfrac{1}{5x}\right) = \dfrac{5x}{x - 1} + 6;$

10 $\left(\dfrac{x - 1}{x + 1}\right)^2 - 5 \cdot \dfrac{x - 1}{x + 1} + 6 = 0.$

11 $\left(1 - \dfrac{x}{x - 1}\right)^2 - \left(x - \dfrac{1}{x + 1}\right)\left(x + \dfrac{1}{x + 1}\right) = \dfrac{3 + x^2 - x^4}{x^2 - 1}.$

12 $\left(x - \dfrac{1}{2}\right)^2 + \dfrac{1}{4} = \dfrac{x + 2}{2};$

13 $\dfrac{7 - x}{3x - 5} + \dfrac{x - 2}{2(x + 1)} = \dfrac{9}{8};$

14 $\dfrac{6 - x}{3x - 2} - \dfrac{2x + 1}{2(x + 2)} = \dfrac{13}{8};$

15 $\dfrac{3 - x}{x + 1} + \dfrac{5}{4x} = \dfrac{9}{4};$