

$$1) \frac{x+4}{3} + \frac{x-1}{2} = 1 + \frac{x+4}{4} \quad [2]$$

$$2) \frac{x-3}{2} + \frac{1}{3} = \frac{x-1}{4} \quad \left[\frac{11}{3}\right]$$

$$3) 5-x = 2x-7 \quad [4]$$

$$4) 3 \cdot (4-x) = x+14 \quad \left[-\frac{1}{2}\right]$$

$$5) 6x-1 = 3 \cdot (2-x) + 9(x-1) + 2 \quad [R]$$

$$6) 3(x+5) - 4x = 5-x \quad [\emptyset]$$

$$7) 5-2x + \frac{1-3x}{5} = 2 - \frac{2x+1}{4} \quad \left[\frac{23}{14}\right]$$

$$8) \frac{x}{3} + \frac{2x-1}{6} = 1 - \frac{x}{3} \quad \left[\frac{7}{6}\right]$$

$$9) 7-2x - \frac{1-3x}{7} = 2 - \frac{2x-1}{3} \quad [5]$$

$$10) x - \frac{x-1}{3} - \frac{2x-5}{5} + \frac{x+8}{6} = 7 \quad [10]$$

$$11) \frac{3}{2} - \frac{10+x}{2x} = 0 \quad [5]$$

$$12) 5 + \frac{3}{3x-12} = \frac{5-x}{x-4} \quad [\emptyset]$$

$$13) \frac{4}{(x-1) \cdot (x+3)} + \frac{x+1}{x-1} = \frac{x+2}{x+3} \quad [\emptyset]$$

$$14) (x+1)^2 = (x-3) \cdot (x+2) + 3x \quad [\emptyset]$$

$$15) (x-1)^2 + 4x = (x+1)^2 \quad [R]$$

$$16) \frac{7x+2}{3x-2} + \frac{9}{6x-4} = \frac{10x-4}{9x-6} - \frac{1}{6} \quad \left[-\frac{9}{5}\right]$$

$$17) \frac{6-a}{1+a} - \frac{2 \cdot (4a-3)}{a^2-1} = \frac{-a}{a-1} \quad [R - \{-1, 1\}]$$

$$18) \frac{-4}{p-6} - \frac{(5p-2)p}{36-p^2} = \frac{5p}{6+p} \quad [1]$$

$$19) 4x - (5x+18) = 6 \cdot (x-2) - 5 \quad \left[\frac{1}{3}\right]$$

$$20) 3 \cdot \left(\frac{8}{3}a + 2\right) - 2 = 3 - 5(1-a) \quad [-2]$$

$$21) (3a-5) \cdot (7+4a) = (6a-2) \cdot (5+2a) \quad [-$$

$$22) 2 \cdot (2x+1)^2 - 42 = 8 \cdot (x+1) \cdot (x-1) \quad [4]$$

$$23) \frac{1}{3t-4} = \frac{2}{3t+1} \quad [3]$$

$$24) x+2 = 2 + \frac{x^2-3}{x-1} \quad [3]$$

$$25) \frac{2x+3}{3x+1} = \frac{1}{4} + \frac{x+5}{1+3x} \quad [9]$$