

Q259 pag 214

$$\frac{4}{3} + \frac{4x}{5} + \frac{1}{5} + \frac{3}{5}x = \frac{4 \cdot (x-1)}{3} + \frac{3-x}{15}$$

$$\frac{60 + 20x + 9 + 27x}{45} \cdot 45 = \frac{4x-4}{3} + \frac{3-x}{15}$$

$$69 + 47x = \frac{60x - 60 + 9 - 3x}{15} \cdot 45$$

$$69 + 47x = 57x - 51$$

$$+47x - 57x = -69 - 51$$

$$-10x = -120$$

$$x = \frac{120}{10} = 12$$

Q260 pag 214

$$1 - \frac{2 \cdot (2x+3)}{3} + \frac{2x+1}{3} - (x-1) = 0$$

$$1 - \frac{4x+6}{3} + \frac{2x+1}{3} - (x-1) = 0$$

$$1 - \frac{4x+6}{3} + \frac{2x+1}{3} - x + 1 = 0$$

$$\frac{3 - 4x - 6 + 2x + 1 - 3x + 3}{3} \cdot 3 = 0$$

$$1 - 5x = 0$$

$$-5x = 0 - 1$$

$$x = \frac{1}{5}$$

Q261

$$\frac{3}{2} - \frac{5 \cdot (x-2)}{2} - \frac{1}{6}x = \frac{1}{2}x + \frac{5 \cdot (x+2)}{6}$$

$$\frac{3}{2} - \frac{5x-10}{2} - \frac{1}{6}x = \frac{1}{2}x + \frac{5x+10}{6}$$

$$\frac{9 - 15x + 30 - 1x}{6} = \frac{3x + 5x + 10}{6}$$

$$39 - 16x = 8x + 10$$

$$-16x - 8x = -39 + 10$$

$$x - 24 = 29 \Rightarrow x = \frac{29}{24}$$