ZAD 1a

$$-4(x-3) = 5x + 2(3x-1)$$

$$-4x + 12 = 5x + 6x - 2$$

$$-4x - 11x = -2 - 12$$

$$-15x = -14 \quad :|-15$$

$$x = \frac{14}{15}$$

SPRAWDZ.

$$-4\left(\frac{14}{15} - 3\right) = 5 \cdot \frac{14}{15} + 2\left(3 \cdot \frac{14}{15} - 1\right)$$

$$-4\left(\frac{14 - 45}{15}\right) = \frac{70}{15} + 2\left(\frac{42 - 15}{15}\right)$$

$$-4 \cdot \frac{-31}{15} = \frac{70}{15} + 2 \cdot \frac{27}{15}$$

$$\frac{124}{15} = \frac{70}{15} + \frac{54}{15}$$

$$\frac{124}{15} = \frac{124}{15}$$ OK

ZAD 1b

$$\frac{x-3}{4} - \frac{2x-5}{2} = 3 \quad \cdot|8$$

$$2(x-3) - 4(2x-5) = 24$$

$$2x - 6 - 8x + 20 = 24$$

$$-6x = 24 + 6 - 20$$

$$-6x = 10 \quad :|-6$$

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