

(1) a) $4x = 2x + 0.5$

b) $5x - 0.7 = 4x + 0.3$

c) $5x = 6.5 + x - 0.1$

d) $6x - 5 = 0.4 + 3x$

(2) a) $(x+1)(x+7) = (x+2)(x+3)$

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

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

d) $8(15x - 30) = 0$

(3) a) $\frac{3a+1}{3a-1}$

b) $\frac{2b+2}{2b-1}$

c) $\frac{c-2d}{2+d}$

d) $\frac{ad-bc}{bd-ac} =$

(4) a) 1

b) 3

c) \mathbb{R}

d) \mathbb{R}

(5) $60^\circ, 80^\circ, 100^\circ, 120^\circ$

(6) 216 m, 4.104 m²

(7) 35.21 cm, 264.08 cm²

(8) 10 cm, 30 cm, 60 cm

(9) 135 cm