

S.137

627

$$x = 2$$

$$a) x + 6 \rightarrow 2 + 6 = 8$$

$$b) 9 - x \rightarrow 9 - 2 = 7$$

$$c) 5x \rightarrow 5 \cdot 2 = 10$$

$$d) -6x \rightarrow -6 \cdot 2 = -12$$

$$e) \frac{62}{x} \rightarrow \frac{62}{2} = 31$$

$$f) x^2 \rightarrow 2^2 = 4$$

628

$$x = 3$$

$$a) -x + 42 \rightarrow -3 + 42 = 39$$

$$b) -26 - x \rightarrow -26 - 3 = -29$$

$$c) -10x \rightarrow -10 \cdot 3 = -30$$

$$d) 27x \rightarrow 27 \cdot 3 = 81$$

$$e) \frac{x}{6} \rightarrow \frac{3}{6} = \frac{1}{2} (= 0,5)$$

$$f) x^3 \rightarrow 3^3 = 3 \cdot 3 \cdot 3 = 27$$

629

$$x = -10$$

$$a) -x + 24 \rightarrow -(-10) + 24 = 10 + 24 = 34$$

$$b) -16 - x \rightarrow -16 - (-10) \\ = -16 + 10 = -6$$

$$c) -7x \rightarrow -7 \cdot (-10) = 70$$

$$d) 8x \rightarrow 8 \cdot (-10) = -80$$

$$e) \frac{x}{-2} \rightarrow \frac{-10}{-2} = 5$$

$$f) x^3 \rightarrow (-10)^3 = -10 \cdot (-10) \cdot (-10) \\ = -1000$$

631

$$a = 5$$

$$b = 4$$

$$a) \underline{2a} - \underline{2b} \rightarrow 2 \cdot 5 - 2 \cdot 4 \\ = 10 - 8 = 2$$

$$b) \frac{ab}{2} \rightarrow \frac{5 \cdot 4}{2} = \frac{20}{2} = 10$$

$$c) b^2 - a^2 \rightarrow 4^2 - 5^2 \\ = 16 - 25 = -9$$

$$d) \sqrt{86 - a} \rightarrow \sqrt{86 - 5} = \sqrt{81} = 9$$

$$e) \frac{a - b}{a + b} \rightarrow \frac{5 - 4}{5 + 4} = \frac{1}{9}$$

$$f) a^2 + 10b \rightarrow 5^2 + 10 \cdot 4 \\ = 25 + 40 = 65$$