

$$1. \quad a) -8,2 - 3,7 = -11,9$$

$$б) -\frac{2^{12}}{7} + \frac{3}{14} = \frac{-4+3}{14} = -\frac{1}{14}$$

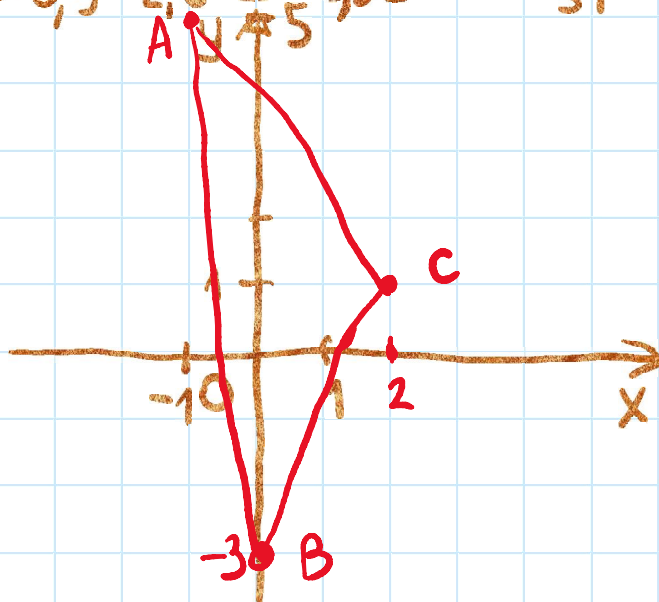
$$в) = -\frac{9}{8} \cdot \left(-\frac{27}{8}\right) = \frac{9 \cdot 27}{64} =$$

$$= \frac{243}{64} = 3\frac{51}{64}$$

$$\begin{array}{r} 243 \overline{) 64} \\ 192 \phantom{00} \\ \hline 51 \end{array}$$

$$2) -0,9 \cdot 2,8 = -2,52$$

2.



$$3. \quad a) 2 - x = 7$$

$$x = 2 - 7; x = -5$$

$$б) 48 + x = 32; x = 32 - 48; x = -16$$

$$2) 2x - 1 = 8,2$$

$$2x = 9,2$$

$$x = 9,2 : 2$$

$$x = 4,6$$

4. на местности:

$$14,6 \text{ км} = 14600 \text{ м} =$$

$$= 1460000 \text{ см}$$

на карте;

$$\frac{1460000 \text{ см}}{500000} = \frac{146}{50} \text{ см} = 2,92 \text{ см}$$

$$5. \quad 5\frac{1}{2} : 2\frac{1}{3} = x : 1,2$$

$$\frac{7}{3} \cdot x = \frac{11}{2} \cdot \frac{12}{10}$$

$$x = \frac{11 \cdot 12^6 \cdot 3}{2 \cdot 10 \cdot 7}$$

$$x = \frac{11 \cdot 3 \cdot 3}{5 \cdot 7}; x = \frac{99}{35}$$

$$x = 2\frac{29}{35}$$