

23.11.20. Везибање за контролни

$$(A-B)^2 = A^2 - 2AB + B^2$$

132. a) $\frac{(x-1)}{2} - \frac{(x-3)(2x-5)}{4} = 3 - (x-2) \cdot 4$

$\frac{2}{1} \cdot \frac{(x-1)^2}{2} - \frac{4}{1} \cdot \frac{(x-3)(2x-5)}{4} = 4 \cdot 3 - 4 \cdot (x-2)$

$2 \cdot (\overset{A}{x-1})^2 - (x-3) \cdot (2x-5) = 12 - 4x + 8$

$2 \cdot (x^2 - 2x + 1) - (2x^2 - 5x - 6x + 15) = 20 - 4x$

$2x^2 - 4x + 2 - 2x^2 + 5x + 6x - 15 = 20 - 4x$

$7x - 13 = 20 - 4x$

$7x + 4x = 20 + 13$

$11x = 33$

$x = 33 : 11 = \frac{33}{11}$

$x = 3$

$$160. \quad X, X+1, X+2, X+3$$

$$X \cdot (X+1) = (X+2) \cdot (X+3) - 38$$

$$X^2 + X = X^2 + 3X + 2X + 6 - 38$$

$$\cancel{X^2} + X - \cancel{X^2} - 3X - 2X = 6 - 38$$

$$-4X = -32$$

$$X = (-32) : (-4)$$

$$X = 8$$

ПРОВЕРКА: 8, 9, 10 и 11

$$8 \cdot 9 = 10 \cdot 11 - 38 ?$$

$$72 = 110 - 38 ?$$

$$72 = 72 \quad \checkmark$$

23.11.20. Вѐжбање за контролни

$$203. \text{ a) } \frac{2x-3}{4} \leq \frac{x}{3} - 1 \quad / \cdot 12$$

$$\overset{3}{\cdot} \frac{12}{1} \cdot \frac{2x-3}{4} \leq \overset{4}{\cdot} \frac{12}{1} \cdot \frac{x}{3} - 12 \cdot 1$$

$$\begin{array}{r|l} 4 & 3 \\ 4 & 1 \\ 2 & 1 \\ 4 & 1 \end{array} \rightarrow 12$$

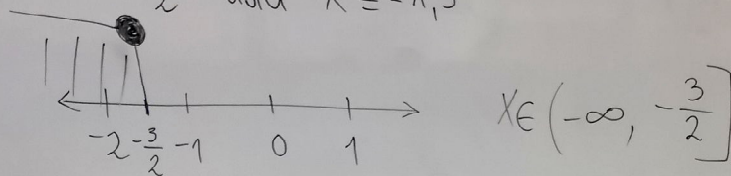
$$3 \cdot (2x-3) \leq 4x-12$$

$$6x-9 \leq 4x-12$$

$$6x-4x \leq -12+9$$

$$2x \leq -3 \quad / : 2$$

$$x \leq -\frac{3}{2} \quad \text{или} \quad x \leq -1,5$$



Домаћи задатак: 133в, 182, 214г.