

**PONEDJELJAK, 25.5.2020. 6.c**

Dobar dan!

Nastavljamo s rješavanjem linearnih jednadžbi, **zoom sutra (utorak) u 10 sati.**

**Pogledajte video lekciju <https://www.youtube.com/watch?v=Y69632XU854>**

**prepiši sve riješene primjere iz videa, te u bilježnicu riješi zadatke:**

**5.ad na strani 130.**

**14.ab na strani 134.**

**32.ad na strani 137.**

**Prilažem rješenja prethodne domaće zadaće!**

**Pozdrav**

DOMAĆA ZADACA 6.C

4) a)  $3x + 8 = 5x - 10$   
 $3x - 5x = -10 - 8$   
 $-2x = -18 \quad | : (-2)$   
 $\frac{-2x}{-2} = \frac{-18}{-2}$   
 $x = 9$

b)  $7x + 1 - 3x = 12 + x - 15$   
 $7x - 3x - x = 12 - 15 - 1$   
 $7x - 4x = 12 - 16$   
 $3x = -4 \quad | : 3$   
 $\frac{3x}{3} = \frac{-4}{3}$   
 $x = -\frac{4}{3}$

c)  $5x - 5 - x - 2x = x + 14$   
 $5x - x - 2x - x = 14 + 5$   
 $5x - 4x = 19$   
 $x = 19$

d)  $11x + 4x - 1 - 9x = 9 - 11 + 4x - 3x$   
 $11x + 4x - 9x - 4x + 3x = 9 - 11 + 1$   
 $18x - 13x = 10 - 11$   
 $5x = -1 \quad | : 5$   
 $x = -\frac{1}{5}$

13) a)  $2x - 8x + 13 = 26 - x + 14$   
 $2x - 8x + x = 26 + 14 - 13$   
 $3x - 8x = 27$   
 $-5x = 27 \quad | : (-5)$   
 $x = -\frac{27}{5} = -5\frac{2}{5}$

b)  $5x - 9 - 3x + 10 = 9x - 7$   
 $5x - 3x - 9x = -7 + 9 - 10$   
 $5x - 12x = 9 - 17$   
 $-7x = -8 \quad | : (-7)$   
 $x = \frac{-8}{-7} = \frac{8}{7} = 1\frac{1}{7}$

$$c) \quad \underline{14x - 15} - \underline{16x} = \underline{17 + 18x + 19}$$

$$14x - 16x - 18x = 17 + 19 + 15$$

$$-14x - 34x = 51$$

$$-20x = 51 \quad | : (-20)$$

$$\boxed{x = -\frac{51}{20} = -2\frac{11}{20}}$$

$$d) \quad \underline{12x - 10} - \underline{x + 8} - \underline{17 - 9x} = 0$$

$$12x - x - 9x = 10 - 8 + 17$$

$$12x - 10x = 27 - 8$$

$$2x = 19 \quad | : 2$$

$$\boxed{x = \frac{19}{2} = 9\frac{1}{2}}$$

$$e) \quad \underline{4x - 14} - \underline{24x - 34} = \underline{44x}$$

$$4x - 24x - 44x = 14 + 34$$

$$4x - 68x = 48$$

$$-64x = 48 \quad | : (-64)$$

$$\boxed{x = \frac{48 : 16}{-64 : 16} = -\frac{3}{4}}$$

$$f) \quad \underline{6x - 9x} + \underline{66} = \underline{99 - 69x} - \underline{96}$$

$$6x - 9x + 69x = 99 - 96 - 66$$

$$75x - 9x = 3 - 66$$

$$66x = -63 \quad | : 66$$

$$\boxed{x = \frac{-63}{66} = -\frac{21}{22}}$$

$$g) \quad \underline{3x - 8} + \underline{x + 7} = \underline{12 - 3x} + \underline{8}$$

$$3x + x + 3x = 12 + 8 + 8 - 7$$

$$7x = 28 - 7$$

$$7x = 21 \quad | : 7$$

$$\boxed{x = \frac{21}{7} = 3}$$

$$h) \quad \underline{22 - 11x} + \underline{4x} = \underline{15 + 4x} - \underline{1 - x} + \underline{24}$$

$$-11x + 4x - 4x + x = 15 - 1 + 24 - 22$$

$$-15x + 5x = 39 - 23$$

$$-10x = 16 \quad | : (-10)$$

$$\boxed{x = \frac{16}{-10} = -\frac{8}{5} = -1\frac{3}{5}}$$