Тренажёр по теме «Решение линейных неравенств»

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|  | 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | 5x>-20 | -7х<5.6 | $$\frac{3}{8}x\geq 15$$ | 20-$ \frac{1}{5}x>0$ | 6y+30<0 | 2-x$\geq $0 |
| 2 | 3x<-33 | 0.2x ≤ 10 | $$\frac{2}{3}x\geq -\frac{5}{9}$$ | -$\frac{1}{6 }x+12<0$ | 5x-40>0 | х+2$\geq $0 |
| 3 | -7x>-56 | -0.6x>24 | $$\frac{1}{3}x\leq \frac{1}{6}$$ | -$\frac{1}{4 }x+1>13$ | 30d-5<0 | 2-x$\leq $0 |
| 4 | -9x$\leq $72 | 2.5x ≤ 10 | $$\frac{1}{2}x\leq \frac{1}{6}$$ | -$\frac{1}{3 }x$+12<0 | -18z+27>0 | x>2x-1 |
| 5 | -8x$\geq $-72 | -1.2x>3.6 | $$\frac{1}{2}x\geq \frac{1}{3}$$ | -$\frac{1}{2 }x-1>9$ | 3a+1>0 | 2x-3<1 |
| 6 | 6x<-54 | 1.2x<2.4 | $$\frac{1}{5}x\leq \frac{2}{6}$$ | -$\frac{1}{3 }x+1>7$ | 7-2a<0 | х+3$\geq $1 |
| 7 | -5x>-54 | -0.8x>16 | $$\frac{2}{5}x>\frac{1}{7}$$ | -14-$\frac{1}{2}$x>0 | 3y+12$\leq $9 | x-2$\leq 0$ |
| 8 | -9x$\leq 63$ | 0.4x ≤ 3.2 | $$\frac{2}{7}x>\frac{1}{7}$$ | -$\frac{1}{5 }x+3>2$ | 2y-5<0 | 2x+1$\leq $3x |

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|  | 7 | 8 | 9 | 10 |
| 1 | 3(7y-1)-8>64-3(5y-9) | (x+5)²>(x+7)²+16 | $\frac{11-3y}{4}-\frac{2y+1}{3}$>1 | 7(x-4)+3 ˂ 3(2x-7)+x-8 |
| 2 | 5(4p+7)-38<11-6(3p-4) | (y-6)²<(y-2)²+8 | $\frac{7y-16}{5}-\frac{4y+5}{6}$<11 | -12x+4(x-3 ) ≥ -8x-13 |
| 3 | 1-7(x+1)>3-x | (x-2)²-15$\geq $(x+1)² | $$\frac{2y+5}{3}+\frac{3y-7}{5}\leq \frac{8y-1}{6}$$ | 10(x-3)+1 ˃ 5(2x+3) |
| 4 | 4-8(x-2)<10-4x | (2x-3)²-8x<(5-2x)² | $$\frac{4-5y}{6}-\frac{5-6y}{5}\geq \frac{1+4y}{12}$$ | 21(2x-1) ˃ 14(3x-2) |
| 5 | 10x-3(3x-2)<4 | (x-3)²-4>(x+2)² | $$\frac{2-3x}{4}\leq \frac{6-5x}{8}+\frac{1}{5}$$ | 9(2x-1)+2 ˃ 2(9x-3) |
| 6 | 3x-4(2x-3)$\leq $13 | (x+4)²-8$\leq $(x+3)² | $$\frac{1-2x}{3}\leq \frac{4-3x}{6}+\frac{3}{4}$$ | 8(2x-1)-2(8x-3) ≤ -3 |
| 7 | 2x-5(2-3x)>7 | (x+6)²<(x-9)²+16 | $$\frac{2x-7}{6}+\frac{7x-2}{3}\leq 3-\frac{1-x}{2}$$ | 7(2x-3)+4˂ 2(7x-10) |
| 8 | 10x-2(3x-2)<5 | (x-4)²+8>(x-2)² | $$\frac{4x+13}{10}-\frac{5+2x}{4}\geq \frac{6-7x}{20}-1$$ | 21(x-3)+20 < 7(3x-2) |

Ответы к тренажёру «Решение линейных неравенств»

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|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | x˃-4 | x˃-0.8 | x≥ 40 | x≤ 100 | у˂ -5 | x≤ 2 | y˃ 2 $\frac{5}{6}$ | x˂-10 | x≤ 0 | 0х<-4Нет решений |
| 2 | x˂-11 | x≤ 50 | x≥ - $\frac{5}{6}$ | x˃72  | х˃ 8 | x≥ -2 | p˂1 | y˃ 3 | x≤ 7/9 | 0х≥ 1Нет решений |
| 3 | x˂8 | x˂ -40 | x≤ $\frac{1}{2}$ | x˂-48 | d˂ $\frac{1}{6}$ | x≥ 2 | x˂ -1.5 | x≤ -2 | x˃ -13 | 0х >44Нет решений |
| 4 | x≥-8 | x≤ 4 | x≤ $\frac{1}{3}$ | x˃ 36 | Z ˂ 1.5 | x˂ 1 | x˃ 2.5 | х-любое число | x≤ 3 | 0х>-7x-Любое число |
| 5 | x≤ 9 | x˂ -3 | x≤$ \frac{1}{3}$ | x˂ -20 | a˃ - $\frac{1}{3}$ | x˂ 2 | x˂ -2 | x˂0,1 | x˃ -4 | 0х>1Нет решений |
| 6 | x˂ -9 | x˂ 2 | x≤ 1$\frac{2}{3}$ | x˂ -18 | a˃ 3.5 | X ≥ -2 | x≥ -0.2 | x≥ -0.5 | x≤ 0.6 | 0х≤ -1 Нет решений |
| 7 | x˂ 9 | x˂ -20 | x˃ $\frac{5}{14}$ | x˂ 28 | y≤ -1 | x≤ 2 | x˃ 1 | x˂ 10 $\frac{1}{6}$ | x˃ -1 | 0х<-3Нет решения |
| 8 | x≥ 7 | x≤ 8 | x˃ $\frac{1}{2}$ | x˂ 5 | y˂ 2.5 | x≥ 1 | x˂ $\frac{1}{4}$ | x˂ 5 | x≤ 0.375 | 0х<29x-любое число |