



ACT COMPASS Preparation Worksheet

Algebra: Linear Equations/ One Variable

- $x + 3 = 5$
- $x - 6 = 9$
- $-32 = x + 3$
- $29 - x = 13$
- $46 = 47 - x$
- $12 = -x + 1$
- $4x = 16$
- $2x = 10$
- $10x = 130$
- $14 = -2x$
- $-3 + 2x = 11$
- $4x + 6 = -10$
- $x + 9 = 18 - 2x$
- $2x + 6 = 4x - 2$
- $-x - 1 = 221 + 2x$
- $15 + 5x = 0$
- $17x - 12 = 114 + 3x$
- $2x - 10 = 10 - 3x$
- $12x + 0 = 144$
- $-10x - 19 = 19 - 8x$
- $6x - 2 + 2x = -2 + 4x + 8$
- $-6 + 2x + 3x = 29$
- $100x - 89x = 121$
- $10x + 5 = -2x - 3x + 80$
- $7 + 5x = 2x + 30 + 40$
- $-11 + 10x + 11 - 33 = x + 2x + 100$
- $10 + 20x - 10 = 15x - 5x + 90$
- $5x + 9 + 5x = 30 + 7x + 15 + 15$
- $99 + 5x = 2000 - 5x - 911$
- $10x + 3x = 100 + 69$
- $x + 4 + 5x = 19 + x + 5$
- $x + 3 + x + 4 = x + 7 + 2x + 7$
- $3 + 4x + 10 = 5x$
- $-x - 7 = 5x - 11 - 7x$
- $7 + 2x - 7 = 18$
- $3x + x = -13 + 3x$
- $-6 + 13 - 7 = -2x$
- $-2 + 8 = -5x + 7 + 4$
- $-7 + x + 4 + 4x = x - 3 + 6 + 3x$
- $x + 7x = 56 + 8$
- $x^2 + x = 0$



42. $x^2 - 1 = 0$

43. $x^2 - 5x + 6 = 0$

44. $x^2 - 10x + 21 = 0$

45. $x^2 + 18x + 81 = 0$

46. $x^2 + 3x - 70 = 0$

47. $x^2 - 12x + 32 = 0$

48. $x^2 + 12x + 35 = 0$

49. $5x^2 - 20 = 0$

50. $3x^2 - 12x + 63 = 0$