

**TRANSPOSING – SOLVE FOR X**
in Linear Equations**Videos Required:****Videos 5, 6 & 7**

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|---|--|
| 1) $-2x = 4$ answer: $x = -2$ | 2) $x + 4 = 3$ answer: $x = -1$ |
| 3) $x + 9 = 14$ answer: $x = 5$ | 4) $-3x = 12$ answer: $x = -4$ |
| 5) $-3 + x = -2$ answer: $x = 1$ | 6) $-2x - 6 = -18$ answer: $x = 6$ |
| 7) $8 - 4x = 56$ answer: $x = -12$ | 8) $-6x + 6 = -48$ answer: $x = 9$ |
| 9) $2x - 3 = 5$ answer: $x = 4$ | 10) $-4x - 7 = -35$ answer: $x = 7$ |
| 11) $-5x - 5 = 10$ answer: $x = -3$ | 12) $-6x + 3 = 63$ answer: $x = -10$ |
| 13) $-3 + 2x = 15$ answer: $x = 9$ | 14) $-2x + 9 = 11$ answer: $x = -1$ |
| 15) $-4x - 4 = -52$ answer: $x = 12$ | 16) $7 + 4x = 47$ answer: $x = 10$ |
| 17) $6x - 3 = -51$ answer: $x = -8$ | 18) $6x + 7 = 7$ answer: $x = 0$ |
| 19) $3x - 7 = 23$ answer: $x = 10$ | 20) $-2x + 8 = 30$ answer: $x = -11$ |
| 21) $-4x + 2 = 18$ answer: $x = -4$ | 22) $-5x - 2 = 18$ answer: $x = -4$ |
| 23) $3x + 1 = 1$ answer: $x = 0$ | 24) $-5 + 6x = 19$ answer: $x = 4$ |
| 25) $-4 + 7x = 52$ answer: $x = 8$ | 26) $6x + 4 + 6x = 88$ answer: $x = 7$ |
| 27) $-6 + 2x - 5x = -3$ answer: $x = -1$ | 28) $3 - 5x + 4x = 11$ answer: $x = -8$ |
| 29) $3 = -6x + 2x + 3$ answer: $x = 0$ | 30) $-4x + 10 + 3x = 4$ answer: $x = 6$ |
| 31) $-7x + 3 - 6x = -36$ answer: $x = 3$ | 32) $-9 + 7x - 4x = 0$ answer: $x = 3$ |
| 33) $-10 = 4x - 5x - 7$ answer: $x = 3$ | 34) $5 + 6x - 5x = 6$ answer: $x = 1$ |
| 35) $3x + 10 + 2x = 35$ answer: $x = 5$ | 36) $50 = x + 6x + 8$ answer: $x = 6$ |

- 37) $-6x + 5 + 5x = 3$ **answer:** $x = 2$
- 38) $x + 3 + 7x = -93$ **answer:** $x = -12$
- 39) $53 = 7x + 2x + 8$ **answer:** $x = 5$
- 40) $-4x - 10 + 3x = -15$ **answer:** $x = 5$
- 41) $4 + 6x + 2x = 20$ **answer:** $x = 2$
- 42) $-15 = -5x - 5x - 5$ **answer:** $x = 1$
- 43) $-3x - 7 + 2x = -9$ **answer:** $x = 2$
- 44) $x + 3 - 6x = -2$ **answer:** $x = 1$
- 45) $-x + 2 - 6x = 44$ **answer:** $x = -6$
- 46) $2x + 10 = -x + 40$ **answer:** $x = 10$
- 47) $3x + 7 = 7x - 17$ **answer:** $x = 6$
- 48) $-5 + 4x = 3x + 2$ **answer:** $x = 7$
- 49) $7x + 2 = 4x - 28$ **answer:** $x = -10$
- 50) $10 + 5x = 4x + 13$ **answer:** $x = 3$
- 51) $-6 - 4x = 2x - 30$ **answer:** $x = 4$
- 52) $3x + 10 = 5x - 6$ **answer:** $x = 8$
- 53) $6x + 6 = -5x + 116$ **answer:** $x = 10$
- 54) $3 + 6x = 3x - 30$ **answer:** $x = -11$
- 55) $-2 + x = 4x - 20$ **answer:** $x = 6$
- 56) $-2 + 5x = -5x + 28$ **answer:** $x = 3$
- 57) $x + 9 = -4x + 19$ **answer:** $x = 2$
- 58) $-5x + 9 = -39 - x$ **answer:** $x = 12$
- 59) $5x + 10 = 5 + 6x$ **answer:** $x = 5$
- 60) $2 + 3x = 7x - 22$ **answer:** $x = 6$
- 61) $-6x - 9 = -13 - 4x$ **answer:** $x = 2$
- 62) $x + 4 = -1 + 2x$ **answer:** $x = 5$
- 63) $4x + 10 = 3x + 0$ **answer:** $x = -10$
- 64) $-2 + 5x = 7x - 8$ **answer:** $x = 3$
- 65) $5x - 5 = 3x - 21$ **answer:** $x = -8$
- 66) $4(8 + 6x) = 128$ **answer:** $x = 4$
- 67) $4(-1x + 5) = 0$ **answer:** $x = 5$
- 68) $5(3x + 10) = 230$ **answer:** $x = 12$
- 69) $2(6x + 5) = 118$ **answer:** $x = 9$
- 70) $-5(4 + 3x) = -200$ **answer:** $x = 12$
- 71) $-4(3 + 6x) = -12$ **answer:** $x = 0$
- 72) $3(9 + 5x) = 147$ **answer:** $x = 8$
- 73) $-4(-5x + 7) = -108$ **answer:** $x = -4$
- 74) $5(5 + 3x) = -80$ **answer:** $x = -7$
- 75) $-6(3x + 10) = -240$ **answer:** $x = 10$
- 76) $4(-6 + 6x) = 264$ **answer:** $x = 12$
- 77) $6(-2x + 5) = 174$ **answer:** $x = -12$
- 78) $2(-6 + 4x) = 12$ **answer:** $x = 3$
- 79) $-2(1x - 1) = 26$ **answer:** $x = -12$
- 80) $-7(8 + 5x) = 329$ **answer:** $x = -11$