



Solve each equation.

1) $-4.8 - 5(2n - 0.9) = 2.5(n + 9.6)$

2) $-8.6(-8.8 - 13.2x) - 8.5x = 8.1(5.61 - 9.033x) + 0.6x$

3) $0.6(5 + 6.6r) + 0.4r = 4.3r - 1.479(11.4 - 13.65r)$

$$4) -3(6.5 - 3.7m) + 3.3(6.4m + 7.8) = m + 3.4 + 8.1m + 11.653$$

$$5) 8.7(6.2b - 10.513) + 1.4 = 13.8(-2.1b + 5.9)$$

$$6) -8.7(8.4x + 4.78) - 4.5x = -13.1 - 9.5(-12.2x - 0.4)$$

$$7) -1.1(1 + 11.3v) - 0.5 = -9.9(-13.8v + 9.3) + 9.2$$

$$8) 13.6x - 3.4(13.77 + 9.6x) = 12.2(x + 1.637) - 10.35$$

$$9) -4.7(11.1a - 7.03) - 2.6(9.1a - 2.5) = -2.49a - 8.1a$$

$$10) 13.04(0.9p - 12.7) = 2.1(-8.6p + 13.2)$$

$$11) -5(4.4 + 0.34k) = -4.82(k + 5)$$

$$12) 6.59 - 3.1(3.9 + 13.2x) = -9.3(x - 10.8)$$

$$13) -11.91(0.5n - 5.9) + 6.9 = -1.2(4.9 + 0.59n)$$

$$14) -6.1(-1.3r - 5.1) = 1.6(10.2r - 10)$$

$$15) -11m + 3.7(9.92m + 7.8) = 11.7(-6.6 + 8.8m) + 6.9$$

$$16) -0.6(1.4 - 9.7x) + 6(12.63x - 6.6) = 8.67x + 13.2x$$

$$17) 7.3n + 12.4(13.2 + 9.3n) = 10.4(14 - 3.3n) + 10.5n$$

$$18) 7.3b - 13.3(-7.8 + 0.1b) = -8.9(1 - 4.6b) - 5.8$$

$$19) -13.2 - 8.8(12.2v - 7.4) = -13(1.8v - 10) - 9.81v$$

$$20) -4(x - 3.1) = -12(5.8x - 11.7)$$

$$21) -14(9.5n - 9.1) - 12(2n + 10.27) = 9.1 - 12.9n - 12.9$$

$$22) -13.1(-7.23 - 0.5a) = 10.1(3.424a + 1.8)$$

$$23) 8.9(k - 4.5) - 9.7(k + 0.3) = 6.1 - 11.9k - 4.6k$$

$$24) 2.1(1 - 5.6x) - 10.5x = 12.5 - 5.3(-8.1x - 10)$$

$$25) 3.5(-12.5 - 5.1n) - 6.4 = -6.1(10.8n + 5.5)$$

$$26) -1.3(1 + 6.2x) + 13.2x = -8.4x - 4.3(-11.1 - 12.6x)$$

$$27) -7.6(9k + 11.3) = -4.5(2.78k + 12.2)$$

$$28) 2.3(1 - 11.2p) - 2.6(-6.2 + 6.5p) = 0.7p - 12.7p$$

$$29) 4.4(x - 0.5) = 7.1(3.6x - 12.4) + 1.97$$

$$30) 11.5(12.6n + 8.2) + 5.3 = 0.4(n + 7.6) - 11n$$

- 1) $\{-1.944\}$ 2) $\{-0.170276815966\}$ 3) $\{0.986697866442\}$ 4) $\{0.381185121107\}$
5) $\{2.06805475157\}$ 6) $\{-0.166869960719\}$ 7) $\{0.545253270715\}$ 8) $\{-1.80663892446\}$
9) $\{0.606085223789\}$ 10) $\{6.48838770305\}$ 11) $\{-0.673076923077\}$
12) $\{-3.35041113219\}$ 13) $\{15.8279016581\}$ 14) $\{5.61501787843\}$ 15) $\{1.28378378378\}$
16) $\{0.677046710196\}$ 17) $\{-0.123463534553\}$ 18) $\{3.38690305977\}$
19) $\{-1.05300067431\}$ 20) $\{1.9512195122\}$ 21) $\{0.0552394170715\}$
22) $\{2.73016224084\}$ 23) $\{3.12484076433\}$ 24) $\{-0.97254180089\}$ 25) $\{0.345617322507\}$
26) $\{-1.20644685039\}$ 27) $\{-0.554303095366\}$ 28) $\{0.600782778865\}$
29) $\{3.96361058601\}$ 30) $\{-0.620964630225\}$