

 Multi-step equations

Solve each equation.

1)  $-43 - 4r = 3(1 - 9r)$

2)  $-2(-9m - 2) - 1 = 27 + 10m$

3)  $49 + 7x = 7(1 + 4x)$

4)  $-13 - 7n = -6 - 9(n + 3)$

5)  $-7b - 1 = -5(b + 3)$

6)  $-(3v - 8) = -28 + 9v$

$$7) 2 + 8n = 6n + 3(2 + n)$$

$$8) 3(2 + 5a) - 10 = -22 + 6a$$

$$9) -16 + 4k = 10(k + 2)$$

$$10) 7x - 7(x - 7) = 24 + 5x$$

$$11) 25 + x = -3(x - 7)$$

$$12) 2(1 - 7n) = -9n + 47$$

$$13) 50 + p = -5(8p - 10)$$

$$14) 10m - 21 = 3(9 + 6m)$$

$$15) -5(m - 9) = 27 - 7m$$

$$16) 43 + 10n = 3(8n - 9)$$

$$17) 40 - 6x = -10(9x - 4)$$

$$18) 4(1 + 4x) = 7x + 40$$

$$19) -48 - 7n = 9n - 5(4n + 8)$$

$$20) 8(3b - 8) = 10b + 48$$

$$21) -48 + x = -8(7 + x) + 10x$$

$$22) 5(1 + 3x) = 25 + 10x$$

$$23) 34 + 3a = -7(1 + a) + 1$$

$$24) -12 - 2x = 8(8x + 7) - 2$$

$$25) 6(k+2) = 9k - 15$$

$$26) -2r + 4 = 4(1 - 9r)$$

$$27) -8(7x - 6) = -17 + 9x$$

$$28) -3p = p - 10(p - 6)$$

$$29) -22 + 8n = 5(-7 - n)$$

$$30) -8(3 - 4v) + 8v = 9v + 38$$

