Multi-Step Equations

Solve each equation.

1) $4(2v - 6 + v) = 12$

2) $\dfrac{6(a - 4)}{a} = 10$

$v =$ _____**3**_____

$a =$ _____**–6**_____

3) $5 = \dfrac{6m + 10}{m - 3}$

4) $8(d + 2) = 4d - 12$

$m =$ _____**–25**_____

$d =$ _____**–7**_____

5) $-5(t - 12) + 7 = -8$

6) $9 - (11 - 4k) = 2k$

$t =$ _____**15**_____

$k =$ _____**1**_____

7) $10z + 14 = 11 + 5z - 7$

8) $-3(9p + 5) = 12$

$z =$ _____**–2**_____

$p =$ _____**–1**_____