

Solving Equations

1. Solve the following equations. Show a check for your answer to (i).

a) $m + 3 = 9$

b) $4 = -3 + y$

c) $12 = 12 + e$

d) $-1 = -4 + r$

e) $5t = 30$

f) $\frac{m}{3} = -3$

g) $4b - 6b = 12$

h) $3b + 2b - b = 15 - 7 + 4$

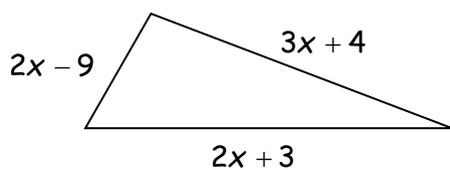
i) $4t - 6 = 10$

j) $3x + 2x + 3 = 13$

k) $-3 = -3 - x$

l) $3x + x = 5x - 6$

2. The perimeter of the triangle shown is 75 m. Determine the length of each side.



3. Solve the following. **Show a check for your answer to (d).**

a) $3(x + 1) = 24$

b) $-12 = 3(2k + 2)$

c) $8 - 3y = 2(2y - 3)$

d) $12 + 2(k + 3) = 3k - 6$

e) $3(4k - 1) + 2(5k - 3k) = 7k$

f) $2(a - 4) - 3(a - 2) = 4(a + 1) + 4$