

11 Gaya spends \$48 to buy books that cost \$ x each.

(a) Write down an expression, in terms of x , for the number of books Gaya buys.

..... [1]

(b) Myra spends \$60 to buy books that cost \$ $(x + 2)$ each.
Gaya buys 4 more books than Myra.

Show that $x^2 + 5x - 24 = 0$.

(c) Solve by factorisation.

$$x^2 + 5x - 24 = 0$$

[4]

$x = \dots\dots\dots$ or $x = \dots\dots\dots$ [3]

(d) Find the number of books Myra buys.

..... [1]