

Q1

$$x^2 + 4x + 4.$$

→ get factors for the first and last.

$$x^2 = x \cdot x.$$

$$\begin{array}{cc} +4 = 4 \times 1 & 2 \times 2 \\ & -4 \times -1 & -2 \times -2 \end{array}$$

$$(x+2)(x+2) \quad 2x+2x=4x \checkmark$$

→ put in a set of factors of 4 and check your answer. Use trial and error until you get the right answer.

Ans :  $(x+2)(x+2)$ .