

3. Multiply

$$[(6a + b) + 4]^2$$

$$[(6a+b)(6a+b) + 4^2]$$

$$36a^2 + 6ab + 6ab + b^2 + 4^2$$

$$(36a^2 + 12ab + b^2 + 64)$$

3

4. Factor

$$(x - y)^2 + 3(x - y) - 10$$

$$\text{let } x - y = x$$

$$x^2 + 3x - 10$$

$$(x + 2)(x - 5)$$

$$\begin{array}{r} 3 \\ 5 \overline{) 10} \\ 10 \\ \hline \end{array}$$

~~$$(x + 2)(x - 5)$$~~
~~$$x^2 + 5x + 2x - 10$$~~
~~$$x^2 + 3x - 10$$~~

2

1.5

4.5