Exercise 2G

Question 1:
$x^2 + 11x + 30$
$= x^2 + 6x + 5x + 30$
$= x (x + 6) + 5 (x + 6)$
$= (x + 6) (x + 5)$.

Question 2:
$x^2 + 18x + 32$
$= x^2 + 16x + 2x + 32$
$= x (x + 16) + 2 (x + 16)$
$= (x + 16) (x + 2)$.

Question 3:
$x^2 + 7x - 18$
$= x^2 + 9x - 2x - 18$
$= x (x + 9) - 2 (x + 9)$
$= (x + 9) (x - 2)$.

Question 4:
$x^2 + 5x - 6$
$= x^2 + 6x - x - 6$
$= x (x + 6) - 1 (x+ 6)$
$= (x + 6) (x - 1)$.

Question 5:
$y^2 - 4y + 3$
$= y^2 - 3y - y + 3$
$= y (y - 3) - 1 (y - 3)$
$= (y - 3) (y - 1)$.

*********** END *********