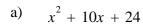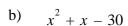## **Homework Questions 5 – Factorising a Quadratic**

1. Factorize the following quadratic equations into double brackets

a) $x^2 + 10x + 24$

b) $x^2 + x - 30$

c) $x^2 - 11x + 28$

2. Factorize the following quadratic equations using the difference of two squares

a) $x^2 - 49$

b) $169 - y^2$

c) $4x^2 - 9y^2$

d) $25x^2y^2 - 36x^2$

3. Factorize the following quadratic equations

a) $4x^2 + 12x + 9$

b) $3x^2 - 10x - 8$

c) $5x^2 + 28x + 15$