Manipulating Negative Quadratics

Factorise:

(a) $15 + 2x - x^2$

(b) $15 - 2x - x^2$

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

(d) $10 + 9x - x^2$

(e) $36 + 9x - x^2$

(f) $36 - 16x - x^2$

Complete the square:

(a) $7 + 2x - x^2$

(b) $10 - 2x - x^2$

(c) $12 + 6x - x^2$

(d) $15 - 10x - x^2$

(e) $14 + 3x - x^2$

(f) $9 - 5x - x^2$

Factorise:

(a) $3 + 5x - 2x^2$

(b) $3 - 5x - 2x^2$

(c) $5 - 9x - 2x^2$

(d) $10 - x - 2x^2$

Write in the format $c - a(x + b)^2$

(a) $8 + 4x - 2x^2$

(b) $11 - 8x - 2x^2$

(c) $12 + 6x - 3x^2$

(d) $5 - 12x - 3x^2$