Name: _____

(1) Factor the following polynomials:

(a) $x(x + 10) - 8(x + 10)$

(b) $3x^3 - 2x^2 + 21x - 14$

(c) $x^2 + 4x - 5x - 20$

(2) Factor the following polynomials:

(a) $x^2 - 15x + 56$

(b) $3x^2 - 8x - 28$

(c) $2x^2 + 24x + 64$

(d) $y^2 + 10y + 25$

(3) Factor the following polynomials:

(a) $8x^3 + 1$

(b) $6x^3 - 6x$

(c) $9x^2 - 4$

(d) $x^3 - 27$