

Spring, 1999
Peterson

MATH 105.

HOMEWORK 7.

DUE: FRIDAY, March 12, 1999.

Factor each of the following. Be sure to check that your factorization is correct/. Also, on some of the following problems, you will be able to factor once and then factor at least one of the factors.

(1) $12x^5y + 4x^3y^2 - 8x^2y^3$.

(2) $4xy - 8y + 7x - 14$.

(3) $x^2y - 2x - 3xy + 6$.

(4) $x^2 - 11x + 28$.

(5) $x^2 + 15x + 36$.

(6) $x^2 - 8x - 20$.

(7) $2x^2 - x - 21$.

(8) $3x^2 - 11x + 6$.

(9) $4x^2 + 4x - 15$.

(10) $4x^2 - 11x - 15$.

(11) $6x^2 - 19x + 15$.

(12) $18x^2 + x - 4$.

(13) $x^2 + xy - 6y^2$.

(14) $2x^2 - 13xy + 15y^2$.

(15) $x^3 - 6x^2 - 4x + 24$.

(16) $2x^3 - 18x$.

(17) $6x^3y + 21x^2y^2 + 15xy^3$.