

ACMAT100 Fall 2023
Professor Manguba-Glover
Homework 13 (5.5-5.6)

Name: _____

Show all work and simplify all answers before circling/boxing them. If you do the problem incorrectly, or don't show sufficient work, you will be asked to rewrite the problem for credit.

Final due date: the day of the Unit 4 Exam.

Factor the following polynomials completely.

(1) $3p^2 - 13p + 12$

(7) $18y^2 + 33y - 105$

(2) $5y^2 - 31y + 6$

(8) $20x^2 - 9x - 20$

(3) $10x^2 + 19x - 15$

(9) $x^4 - 6x^2 - 40$

(4) $15y^2 - 7y - 2$

(10) $x^6 - 8x^3 + 12$

(5) $12x^2 + 10x + 2$

(11) $4t^2 - 24t + 36$

(6) $24x^2 - 18x + 3$

(12) $(x + 5)^3 + 8$