

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.

(1) Factor  $x^3 - 2x^2 + 5x - 10$

(2) Factor  $x^2 + 2x - 5x - 10$

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

(4) Factor  $140t^2 + 80t + 105t + 60$

(5) Factor  $4t^3 + 12t^2 - 12t - 36$

(6) Factor  $3x^2 + 36x + 96$

(7) Factor  $5x^2 - 45x + 100$

(8) Factor  $4x^2 + 44x - 48$

(9) Factor  $4x^2 + 8x - 32$