

Math 0030 September 11, 2006 H6

Textbook 7.1 # 1-61 alternate odds

Factor out the greatest common factor:

1) $3x^2 + 5x^5$

2) $7x^2 - 20x$

3) $x^3y - 3x^2y^2 + 7xy^3$

Factor by grouping:

4) $x(a + 2) + 7(a + 2)$

5) $x^2 + 2x + 2xy + 4y$

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

Multiply out:

7) $(x - 2)(x + 5)$

Factor:

8) $x^2 + 3x - 15$