

Name: _____

Math 80 Worksheet #5
February 9, 2007

1. Find the Greatest Common Factor of the following lists of terms:

(a) $18t^2$ and $27t^3$

(b) $4a^5b$, $6a^3b^2$, and $12a^6b^3$

2. Factor the following as much as possible (Factoring out the GCF, Factoring by Grouping, Factoring Trinomials):

(a) $6x^3 + 21x^2$

(b) $24a^3 - 16a + 32$

(c) $-25a^8b^2 + 15a^5b^4 - 30a^7b^3$

(d) $2(1 + t) - 3s(1 + t)$

(e) $2mn - 3m + 18n - 27$

(f) $5st + t^2 - 20s - 4t$

(g) $x^2 + 3x + 2$

(h) $y^2 - 11y + 24$

(i) $s^2 - 4s - 12$

(j) $t^2 + 2t - 15$