

Greatest Common Factor and
Factoring by Grouping

1. Factor the GCF from the
polynomial.
(similar to p.383 #48)

$$5a + 15$$

2. Factor the GCF from the
polynomial.
(similar to p.383 #52)

$$20a^2b^5 - 24a^7b^3$$

3. Factor the GCF from the
polynomial.
(similar to p.383 #58)

$$3x^3 + 9x^7 - 21x^4 - 81x^5$$

4. Factor the GCF from the
polynomial.
(similar to p.383 #60)

$$-32x^3 + 12x^2 + 10x$$

5. Factor the GCF from the
polynomial.
(similar to p.383 #66)

$$a(a - 7) + 3(a - 7)$$

6. Factor by grouping.
(similar to p.383 #72)

$$2x^2 + 6x + bx + 3b$$

7. Factor by grouping.
(similar to p.383 #74)

$$mn + 5m - 7n - 35$$

8. Factor by grouping.
(similar to p.383 #78)

$$x^3 - 3x + 4x^2 - 12$$