

Name: _____
Date: _____
Class: _____

Algebra
Unit 7
HW 7-3

1) Find the GCF: $24x^3$, $16x^2$, and $8x$

2) Find the GCF: $18x^2y^2$, $45x^2y$, and $90xy^2$

3) Factor: $6x^3 - 8x^2 + 2x$

4) Factor: $8x^4 - 2x^2$

5) Factor: $(2x - 1)(2x + 7) - (2x - 1)(x - 3)$

6) The area of a rectangle is represented by $16x^2 + 56x$. Can this be factored? What could each of the two factors represent?

7) Find two factors of 154 that when added together total 29.

8) Find two factors of -224 that when added together total -20.

9) Simplify: $(2x^2 - 8x)(7 - 4x) - 5x^2 + 19$