

## LESSON 33: Factoring Polynomials

.....  
**Homework**  
.....**Directions:** Find the GCF.

1.  $4x^2 + 16$

2.  $3x - x^3$

3.  $7mn + 14m^2$

4.  $5x + 5y$

**Directions:** Factor the polynomials.

5.  $24xy - 8x$

6.  $4x^3 - 8x^2 + 32x$

7.  $2x^3 - 4x^2 + 2$

8.  $15xy^3 + 30x^2y - 45xy$

9.  $32ab^4 + 22a^3b - 18$

10.  $xy^3 + x^2y^4 + x^3y^3$