

11.1 Factoring Review Notes

Name: _____

GCF (greatest common factor):

$$5x^2 - 10x$$

$$12x^5y^3 - 14x^9yz$$

$$3x^2y^4 + 18x^5y^3 + 7x^4y^6$$

Difference of Two Squares:

$$x^2 - 16$$

$$9 - 25y^2$$

$$x^6 - 1$$

Trinomials:

$$x^2 - 8x - 20$$

$$x^2 + 15x + 36$$

$$x^2 - 8x + 16$$

Grouping:

$$8x^3 - 64x^2 + x - 8$$

$$4x^3 - 12x^2 - 5x + 15$$

$$12x^3 + 2x^2 - 30x - 5$$

Trinomials (when $a \neq 1$):

$$3x^2 - 8x + 4$$

$$4x^2 - 15x - 25$$

$$6x^2 + 7x - 49$$