

To earn your full participation point for the Do Now be sure to have completed all of the following by the time is up:

- 1) Be in your seat
- 2) Take out your calculator or grab one
- 3) Have last night's homework out
- 4) Complete the do now



Name: _____ Algebra 10 Unit 7 Lesson 3

Greatest Common Factor (GCF)

DO NOW ~ Friday 10/25

Find the product.

$$(2x-1)(x+4)$$

$$2x^2 + 8x - 1x - 4$$

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



Classwork

$$12 \cdot x \cdot x \cdot x$$

$$18 \cdot x$$

Find the GCF (Greatest Common Factor).

6 and 15

$$\text{GCF: } 3$$

6x and 15x

$$3x$$

6x and 15x²

$$6 \cdot x$$

$$15 \cdot x \cdot x$$

$$3x$$

5x⁴ and 25x²

$$5x^2$$

21x²y⁵ and 14xy⁷

$$7xy^5$$

Mrs. Ferreri's Station ~ GCF**Find the GCF.**

$$\underline{25y^3 + 10y^2x}$$

$$-20m - 8m^3n$$

$$-20xy - 12$$

$$-12u^2 - 3u^2v$$

$$\underline{-12xy^2 - 15x^2y}$$

$$\underline{6ab + 10a^2}$$

$$2x^4 \text{ and } 10x^2$$

$$8t^5, 12t^3, \text{ and } 16t$$

$$j^2dy^6 + jdy^4$$

$$d + d^2$$

$$hg + hg^3$$

$$cd^3 + c^2$$

Computer Station ~ Delta Math

Complete the "Greatest Common Factor (GCF)" Assignment.

Mrs. Kennedy's Station ~ GCF**Find the GCF.**

(a) $6x^2 + 10x$

(b) $3x - 24$

(c) $10x^2 - 15x$

(d) $4x^2 + 8x + 24$

(e) $6x^3 - 8x^2 + 2x$

(f) $10x^3 - 35x^2$

(g) $10x^2 - 40x - 50$

(h) $8x^4 - 2x^2$

(i) $8x^3 + 24x^2 - 32x$

$d^2e^5f + df^2$

$g^2h^4 + g^5h^4$

$a^2b + b$

$x^4y + x^2y$

Independent Station ~ GCF Task Cards

Find the GCF using the task cards.

Continue onto next page.

Find the GCF.

$$x^2y + x^3y^2$$

$$x^3z + xz$$

$$z^3v^5 + zv$$

$$u^4v^7 + u^2v^5$$

$$g^6h + g^3h^2$$

$$m^4n^2p + mnp$$

$$abc^2 + bc$$

$$r^2s^3 + s^2$$

Homework ~ Monday 10/28

Find the GCF.

$$8p^4 + 56$$

$$5n^4 + 2n^2$$

$$-24x^6 + 16x^5$$

$$30x^5 + 50x^4 - 20x$$