

DO NOW

Simplify the following

$$1) \frac{-15xy}{21x}$$

$$2) \frac{(-t^3)^4}{(-t^2)^5}$$

$$3) \frac{35a^2b^3c}{25abc}$$

Find the GCF

$$4) 18x^3y, 10x^2y^3$$

5.3

Monomial Factors of Polynomials

Divide

Simplify

$$1) \frac{6m + 36}{6}$$

Divide

Simplify

$$2) \frac{27uv - 36v}{9v}$$

Divide

Simplify

$$3) \frac{x^3 - 4x^2 + 6x}{x}$$

Divide

Simplify

$$4) \frac{5a - 10a^2 - 15a^3}{5a}$$

Divide

Simplify

$$5) \frac{2x^4 - 8x^3y + 4x^2y^2}{-2x^2}$$

Review

Use the reverse of the distributive property for the following:

$$6) 3x + 3y = (\quad)$$

$$7) ab + ad = (\quad)$$

$$8) 4x + 12 = (\quad)$$

Factoring:

"Reverse Distributive Property"

$$9) 3x^2 + 12x$$

Factoring:

$$10) 14c^3 + 21c$$

Factoring:

$$11) 6x^5 - 4x^3 + 8x$$

Factoring:

$$12) 8ab^2 - 12a^2b$$