

## 1-5 Simplifying Expressions and Negative Exponents #1

\_\_\_\_\_ 1. Simplify

$$\frac{4a^3b^5c}{6a^2b^3c}$$

\_\_\_\_\_ 4. Simplify

$$(3s^{-2}t^4u^{-1}d)^{-3}$$

\_\_\_\_\_ 2. Simplify

$$\frac{c^3w^{-5}h^{-1}}{c^{-1}w^{-2}h}$$

\_\_\_\_\_ 5. Simplify

$$\frac{y^2e^{-5}s^4}{y^7e^2s^{-4}}$$

\_\_\_\_\_ 3. Simplify

$$(3a^{-5})^{-2}$$

## 1-5 Simplifying Expressions and Negative Exponents #2

\_\_\_\_\_ 1. Simplify

$$\frac{5a^2b^4c}{10a^2b^3c}$$

\_\_\_\_\_ 4. Simplify

$$(2s^{-1}t^2u^{-2}d)^{-3}$$

\_\_\_\_\_ 2. Simplify

$$\frac{c^{-3}w^{-3}h^{-1}}{c^{-1}w^{-2}h}$$

\_\_\_\_\_ 5. Simplify

$$\frac{y^{20}e^{-4}s^2}{y^{18}e^2s^{-4}}$$

\_\_\_\_\_ 3. Simplify

$$(-5a^{-3})^{-2}$$

## 1-5 Simplifying Expressions and Negative Exponents #3

\_\_\_\_\_ 1. Simplify

$$\frac{-4a^3b^5c}{10abc}$$

\_\_\_\_\_ 4. Simplify

$$(s^{-2}t^4u^{-4}d^3)^{-2}$$

\_\_\_\_\_ 2. Simplify

$$\frac{c^3w^5h^{-1}}{c^{-1}w^{-7}h}$$

\_\_\_\_\_ 5. Simplify

$$\frac{y^{-2}e^{-3}s^{-4}}{y^7e^{-2}s^{-4}}$$

\_\_\_\_\_ 3. Simplify

$$(10a^{-2})^{-2}$$