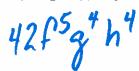
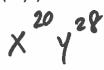
Exponents Practice

Simplify each expression. Be sure to use only positive exponents.

1. $(14fg^2h^2)(3f^4g^2h^2)$



2. $(x^5y^7)^4$

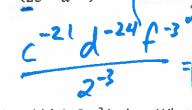


3. $(2b^3c^4)^2$

$$\frac{3}{1} \cdot \frac{1}{8} \cdot \frac{1}{(2gh^4)^3(-2g^4h)^3} \left(-8g^{12}h^3 \right) = -44g^{15}h^{12}$$

6.
$$\left(\frac{2a^4c^3}{5b^2d^2}\right)^2 + \frac{4a^8c^4}{25b^4d^4}$$

$$\frac{(4k^3m^2)^3}{(5k^2m^{-3})^{-2}} = \frac{64k}{6.24k}$$



10. The area of the rectangle is $30x^2y^6$ square inches. Its width is $6xy^2$ inches. What is the length of the rectangle?



11. What is the ratio of the height to the radius?

$$\frac{h}{c} = \frac{x^{7}y^{5}z^{10}}{x^{2}y^{3}z^{2}} = x^{5}y^{2}z^{8}$$

