

Name: _____

Math is Gold

Date: _____

Topic: Power of a quotient

(id:exp_pow_of_quot_A.1)

Title: Simplify

1) $\left(\frac{x^2y^2}{z^2}\right)^2$

2) $\left(\frac{a^2b}{c}\right)^3$

3) $\left(\frac{p^2q^2}{r}\right)^5$

4) $\left(\frac{m^2n^3}{p^4}\right)^2$

5) $\left(\frac{f^4g^5}{h^2}\right)^2$

6) $\left(-\frac{c^2d^2}{e^2}\right)^3$

7) $\left(\frac{9x^4y^2}{z^3}\right)^2$

8) $\left(-\frac{m^2n}{p^3}\right)^3$

9) $\left(\frac{fg^3}{h}\right)^2$

10) $\left(-\frac{5a^2b}{d}\right)^2$

11) $\left(\frac{2}{p^2q^3}\right)^3$

12) $\left(\frac{-5}{a^2b}\right)^2$

13) $\left(\frac{-1}{m^3n^2}\right)^3$

14) $\left(\frac{-3x}{y^4z^2}\right)^4$

15) $\left(\frac{-a}{b^2c^3}\right)^7$

16) $\left(\frac{-2x^3y^2}{z}\right)^3$

17) $\left(\frac{3p^2q}{4r^3}\right)^2$

18) $\left(\frac{-5mn^2}{p^3}\right)^3$

$$19) \left(\frac{-4f^2g}{h^2} \right)^3$$

$$20) \left(\frac{-u^7v^2}{3w^3} \right)^2$$