

Name: \_\_\_\_\_

# Math is Gold

Date: \_\_\_\_\_

Topic: Quotient of a power

(id:exp\_quot\_of\_pow\_B.1)

Title: Exponents -Express as a single exponent using the same base

|                         |                        |                         |
|-------------------------|------------------------|-------------------------|
| 1) $\frac{7^5}{7^2}$    | 2) $\frac{5^4}{5^2}$   | 3) $\frac{2^7}{2^4}$    |
| 4) $\frac{9^6}{9^2}$    | 5) $\frac{11^9}{11^5}$ | 6) $\frac{a^9}{a^7}$    |
| 7) $\frac{p^{10}}{p^7}$ | 8) $\frac{d^7}{d^4}$   | 9) $\frac{m^{10}}{m^2}$ |

10)  $\frac{u^{11}}{u^2}$

11)  $\frac{5^3 \cdot 5^4}{5^2}$

12)  $\frac{7^4 \cdot 7^5}{7^2}$

13)  $\frac{2^{10} \cdot 2^7}{2^5}$

14)  $\frac{3^5 \cdot 3^{10}}{3^7}$

15)  $\frac{8^3 \cdot 8^7}{8^2}$

16)  $\frac{a^8 \cdot a^{10}}{a^4}$

17)  $\frac{p^7 \cdot p^8}{p^{11}}$

18)  $\frac{q^2 \cdot q^{12}}{q^3}$

19)  $\frac{m^{11} \cdot m^7}{m^5}$

20)  $\frac{n^{20} \cdot n^5}{n^{10}}$