Evaluate the Exponents

Name:_____ Date:_____

Solve the following expressions.

1) $\left(\frac{1}{6}\right)^2 \times 2^2 =$ _____

2) $2.8^3 \times \left(\frac{9}{3}\right)^2 =$ _____

3) $3.41^1 \times 5^2 =$ _____

4) $2.3^2 - \left(\frac{8}{9}\right)^2 =$ _____

5) $4^2 + \left(\frac{3}{2}\right)^3 =$ _____

6) $19^2 + 0.4^3 =$ _____

7) $8^3 \div \left(\frac{7}{4}\right)^2 =$ _____

8) $\left(\frac{2}{10}\right)^2 + \left(\frac{1}{20}\right)^2 =$ _____

9) $\left(\frac{6}{7}\right)^2 \times \left(\frac{14}{3}\right)^2 =$ _____

10) $5^4 \div 0.7^2 =$ _____

11) $1.2^3 - 0.5^3 =$ _____

12) $\left(\frac{3}{4}\right)^2 - \left(\frac{2}{6}\right)^3 =$ _____

Evaluate the Exponents

Name:_____ Date:_____

Solve the following expressions.

1) $\left(\frac{1}{6}\right)^2 \times 2^2 =$ $\frac{1}{9}$

2) $2.8^3 \times \left(\frac{9}{3}\right)^2 =$ 197.56

3) $3.41^1 \times 5^2 =$ 85.25

4) $2.3^2 - \left(\frac{8}{9}\right)^2 =$ 4.49

5) $4^2 + \left(\frac{3}{2}\right)^3 =$ $\frac{155}{8}$

6) $19^2 + 0.4^3 =$ 361.06

7) $8^3 \div \left(\frac{7}{4}\right)^2 =$ $\left(\frac{8192}{49}\right)$

8) $\left(\frac{2}{10}\right)^2 + \left(\frac{1}{20}\right)^2 =$ $\left(\frac{17}{400}\right)$

9) $\left(\frac{6}{7}\right)^2 \times \left(\frac{14}{3}\right)^2 =$ 16

10) $5^4 \div 0.7^2 =$ 1275.5

11) $1.2^3 - 0.5^3 =$ 1.603

12) $\left(\frac{3}{4}\right)^2 - \left(\frac{2}{6}\right)^3 =$ $\frac{227}{432}$