

Evaluate the Exponents

Name: _____

Date: _____

Solve the following expressions.

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

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

3) $7^3 + 2.4^3 =$ _____

4) $\left(\frac{8}{9}\right)^2 + \left(\frac{7}{3}\right)^3 =$ _____

5) $5.9^5 - 5^4 =$ _____

6) $8.2^2 \times \left(\frac{10}{5}\right)^2 =$ _____

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

8) $\left(\frac{4}{3}\right)^2 - 0.6^2 =$ _____

9) $6.57^2 \times 3^3 =$ _____

10) $\left(\frac{1}{12}\right)^2 \times 4^2 =$ _____

11) $11^2 + \left(\frac{1}{9}\right)^2 =$ _____

12) $9^3 \div 0.3^2 =$ _____

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Solve the following expressions.

$$1) \quad \left(\frac{12}{2}\right)^2 - \left(\frac{4}{6}\right)^3 = \frac{964}{27}$$

$$2) \quad 3^4 \div \left(\frac{5}{3}\right)^2 = \frac{729}{25}$$

$$3) \quad 7^3 + 2.4^3 = 356.824$$

$$4) \quad \left(\frac{8}{9}\right)^2 + \left(\frac{7}{3}\right)^3 = \frac{1093}{81}$$

$$5) \quad 5.9^5 - 5^4 = 6524.2$$

$$6) \quad 8.2^2 \times \left(\frac{10}{5}\right)^2 = 268.96$$

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

$$8) \quad \left(\frac{4}{3}\right)^2 - 0.6^2 = 1.41$$

$$9) \quad 6.57^2 \times 3^3 = 1165.4$$

$$10) \quad \left(\frac{1}{12}\right)^2 \times 4^2 = \frac{1}{9}$$

$$11) \quad 11^2 + \left(\frac{1}{9}\right)^2 = \left(\frac{9802}{81}\right)$$

$$12) \quad 9^3 \div 0.3^2 = 8100$$