

Name: _____

Date: _____

1. Evaluate the following expressions completely.

a. $4^3 + 2^2$

b. $2 + (5^2 - 4)$

c. $2 \cdot (15 - 14 \div (3 + 4))$

d. $3 - (19 - 3^2)$

e. $(-3)^2 - 9(8 - 6)$

f. $\frac{8 + (5 - 3)^2}{2}$

2. Evaluate the following expression where $x = 3$ and $y = -2$.

$$y^x + x$$

3. Evaluate the following expression where $x = -5$ and $y = 3$.

$$x^2 + 30y + x$$

4. Simplify completely.

$$((12 \div 3)^2 - (18 \div 3^2)) \times (4 \div 2)$$

5. Evaluate the following expression where $x = 2$, $y = -3$, and $z = 10$.

$$z^x - y + y^x - z^2$$