

Name: _____



Evaluating Expressions (w/ exponents) (one variable)

Directions: Evaluate each expression when $x = 2$ or when $y = 4$

1. $x^2 =$ _____

7.

$40 - 8y =$ _____

2. $7x^2 =$ _____

8.

$11 + y^2 =$ _____

3. $x^3 - 3 =$ _____

9.

$\frac{32}{y^2} =$ _____

4. $\frac{x^4}{4} + 3 =$ _____

10.

$9y^2 =$ _____

5. $3(5x^2) =$ _____

11.

$\frac{16}{y^2} + 2y =$ _____

6. $3x^3 - 4x^2 =$ _____

12.

$2y^3 - 19 =$ _____



ANSWER KEY

1. $x^2 = 4$

7.

$40 - 8y = 8$

2. $7x^2 = 112$

8.

$11 + y^2 = 27$

3. $x^3 - 3 = 5$

9.

$\frac{32}{y^2} = 2$

4. $\frac{x^4}{4} + 3 = 7$

10.

$9y^2 = 36$

5. $3(5x^2) = 60$

11.

$\frac{16}{y^2} + 2y = 9$

6. $3x^3 - 4x^2 = 8$

12.

$2y^3 - 19 = 109$