

Name: _____



Evaluating Expressions (w/ exponents) (one variable)

Directions: Evaluate each expression when $x = 5$ or when $y = 3$

1. $x^2 =$ _____

7.

$13 - 4y =$ _____

2. $2x^2 =$ _____

8.

$5y^2 =$ _____

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

9.

$\frac{27}{y^2} =$ _____

4. $\frac{x^3}{25} + 4 =$ _____

10.

$6y^2 - 9y =$ _____

5. $10(2x^2) =$ _____

11.

$\frac{y^3}{9} + 14 =$ _____

6. $3x^2 - 15 =$ _____

12.

$4y^3 - 6y^2 =$ _____



ANSWER KEY

1. $x^2 = 25$

7.

$13 - 4y = 1$

2. $2x^2 = 50$

8.

$5y^2 = 45$

3. $x^3 - x^2 = 100$

9.

$\frac{27}{y^2} = 3$

4. $\frac{x^3}{25} + 4 = 9$

10.

$6y^2 - 9y = 27$

5. $10(2x^2) = 500$

11.

$\frac{y^3}{9} + 14 = 17$

6. $3x^2 - 15 = 60$

12.

$4y^3 - 6y^2 = 54$