Name: _____

Laws of Exponents

Evaluate each monomial for x = 5, y = -1 , and z = 4

1) y^4

2) $2y^2$

3) $3x^3$

4) z^2

5) $(yx)^3$

6) $(yz)^2$

7) $x^2 z^2$

8) y^x

9) What is the area of a square with the length of a side equaling $3a^5$?

10)   What is the area of the rectangle with the width of $6x^2$ and the $length$ of $12x^3$?