Evaluating Exponents

Evaluate each exponent. Show your work.

$6^2 =$ _____	$4^3 =$ _____
$2^4 =$ _____	$7^3 =$ _____
$3^5 =$ _____	$5^4 =$ _____
$\left(\frac{1}{3}\right)^3 =$ _____	$\left(\frac{2}{5}\right)^2 =$ _____
$0.9^2 =$ _____	$0.6^3 =$ _____

Challenge: How do you find 3^0? Let's try it. First, fill in the blanks to evaluate the exponents.

3^0	3^1	3^2	3^3	3^4
?	_____	_____	_____	_____

Now, look at your answers. What pattern do you see when moving from right to left?

_____

How can you use this pattern to find 3^0? _____

So, what is 3^0? _____