Name: _____

Section: _____

Review of:
Prime & Composite Numbers, Exponents,
Order of Operations, & Divisibility Rules

1) What is a prime number?

2) What is a composite number?

3) Is 33 prime or composite? How do you know?

4) Is 17 prime or composite? How do you know?

5) In 9^7, the 9 is called the _____.

6) In 9^7, the 7 is called the _____.

7) In 9^7, the whole problem is called a _____.

8) Evaluate the following without a calculator. Show your work.

a) 2^4 b) 7^2 c) 3^3

9) Evaluate the following without a calculator. Show your work.

a) $10 + 6(2)$ b) $(15 + 39) \div 6$ c) $2(20 - 15) + 1$

d) $60 \div (7 + 3) + 3^2$ e) $7(12 + 8) - 6$ f) $10 + 6(5) - 7$

g) $(4^2 + 6) \div 11$

h) $2(4) + 8 - 5(3)$

i) $5 + 18 \div 3^2 - 1$

j) $[8 + 5(10)] - 12$

k) $14 + 3(50 - 7^2)$

10) Decide if the following numbers are divisible by the possible factors or not without using a calculator. Mark the box(es). The first one is done for you as an example.

	Divisible by 2	**Divisible by 3**	**Divisible by 4**	**Divisible by 5**	**Divisible by 6**	**Divisible by 9**	**Divisible by 10**
936	✓	✓	✓		✓	✓	
250							
79191							
93,295							
461,959							
47,320							
1,536,824							
1,459,628,360							