## **BIG Quiz Review**

1. Convert between decimals, fractions, and percents.

0.15		
	. 3/4	
	/	45%
0.6666666	· ·	
	4/5	
		0.01%

2. Find BOTH square roots for the following numbers:

1	
25	
64	÷ .
16	
121	
144	
49	
4	

~	F	
-	EVa	luate.

 $\sqrt{9}$ 

 $-\sqrt{2!}$ 

 $\sqrt{-16}$ 

 $-\sqrt{-2}$ 

 $-\sqrt{100}$ 

4. Estimate each square root to the nearest tenth.

 $\sqrt{44}$ 

 $\sqrt{39}$ 

 $\sqrt{90}$ 

 $-\sqrt{3}$ 

 $\sqrt{-10}$ 

5. Evaluate.

$$2^{3} =$$

$$3^3 =$$

$$4^3 =$$

$$5^{3} =$$

$$\sqrt{80-10+5\cdot 2+1}$$

$$\sqrt{40-2\cdot 2}+\sqrt{20+8\cdot 2}$$

## 7. Classify each number as rational or irrational and explain why.

0.1414141414	Rational / Irrational	Why?
0.14	Rational / Irrational	Why?
35	Rational / Irrational	Why?
√36	Rational / Irrational	Why?
<b>V</b> 37	Rational / Irrational	Why?

8. Which of the following are written in scientific notation? (Circle the correct answers.)

$$45 \times 10^4$$

$$4.5 \times 10^{10}$$

$$6.7 + 10^2$$

9. Write the following numbers in scientific notation.

0.00003

10. Write the following numbers in standard notation.

$$5.5 \times 10^8$$