

No calculators!!!



1. Squares you should know by heart:

$$0^2 = \bigcirc$$

$$1^2 = \bigcirc$$

$$2^2 = 4$$
$$3^2 = 9$$

$$4^2 = 16$$

$$5^2 = 35$$

$$6^2 = 30$$
 $7^2 = 49$ 

$$7^2 = 449$$
  
 $8^2 = 69$ 

$$9^2 = 81$$

$$10^2 = 100$$

$$11^2 = |\lambda|$$

$$12^2 = 144$$

$$13^2 = 169$$

2. Cubes you should know by heart:

$$0^{3} = 0$$
 $1^{3} = 1$ 
 $2^{3} = 8$ 

$$4^{3} = 64$$
 $5^{3} = 125$ 

$$6^3 = 210$$
 $7^3 = 343$ 

$$8^3 = 5/2$$
 $9^3 = 72$ 

$$9^{3} = 700$$
 $10^{3} = 700$ 

3. Square roots you should know by

$$\sqrt{0} = \bigcirc$$

$$\sqrt{1} = \bigcirc$$

$$\sqrt{4} = \sqrt{3}$$

$$\sqrt{9} = 3$$

$$\sqrt{16} = 4$$

$$\sqrt{25} = 9$$

$$\sqrt{36} = 6$$

$$\sqrt{49} = 7$$

$$\sqrt{64} = 8$$

$$\sqrt{81} = 9$$

$$\sqrt{100} = 10$$

$$\sqrt{100} = 10$$

$$\sqrt{121} = 1$$

$$\sqrt{121} = 1$$

$$\sqrt{144} = 1$$

$$\sqrt{169} = 13$$

4. Cubic roots you should know by

heart: 
$$\sqrt[3]{0} = 0$$

$$\sqrt[3]{1} = 1$$

$$\sqrt[3]{8} = \sqrt{2}$$

$$\sqrt[3]{64} = 4$$

$$\sqrt[3]{125} = 5$$
 $\sqrt[3]{216} = 6$ 

$$\sqrt[3]{1000} = 10$$

Write the fraction as a decimal

5. 
$$\frac{5}{9}$$
  $\sqrt{5}$ 

6. 
$$1\frac{3}{8}$$
 1.375

Write the decimal as a fraction in simplest form.

Simplify.

12. 
$$\sqrt{\frac{49}{4}}$$
  $\frac{7}{2}$ 

13. 
$$\sqrt{\frac{400}{36}}$$

Estimate the square roots to the nearest hundredth.

- 15.  $\sqrt{57} \approx 5.75$
- Solve for x.

16. 
$$x^2 = 64 \pm 8$$

17.  $x^2 = 144 \pm 12$ 

Identify the set of numbers that each number belongs 19. 0 real, rational, whole, integer $20\frac{1}{5}$ real, rational $21.\sqrt{2}$ real, rational $221$ real, rational integer $23.$ The number of books on a shelf real rational $24.$ The outdoor temperature.	
	CONCORY
	track can be negative
26. All integers are whole numbers Acise	and all whole numbers are integers.
27. All irrational numbers are real numbers	C
28. If you add two rational numbers, the result will be rational	
29. If you multiply two irrational numbers, the result will be irrational	
30. If you subtract two whole numbers, you will always get another whole number	
table, schotines you	will get an irrational.
Order the sets from least to greatest.	integer constimos
31. $2.15, 2\frac{1}{3}, \sqrt{3}, \pi - 1$	
32. $\sqrt{4}$ , $\sqrt{2}$ , $\sqrt{36}$ , $\sqrt{1}$	that is rational.
	not while.
1	example.
31. 53, 77-1, 2.15, 23	example.
51,05, 11-1, 0.15,05	10-20=-10 7.7=
32. JI, JZ, J4, J36	
36. 01, 02, 07, 030	