

Name: _____

Homework – Monday (April 22, 2019)

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT.**

<p>1. Circle the irrational number in each group.</p> <p>A. $\sqrt{49}$, .59 , -6.123638...</p> <p>B. 5.6 , -4π , $\overline{.871}$</p> <p>C. $\sqrt{10}/2$, $\sqrt{81}$, $\frac{13}{100}$</p> <p>D. $\frac{1}{2}$, -2 , 3.1415....</p>	<p>2. What is the largest integer less than $-\sqrt{29}$? Sketch a number line to explain your answer.</p>
<p>3.</p> <p>a. If $x^2 = 144$, what is the value of x? Show your work!</p> <p>b. If $x^3 = 64$, what is the value of x? Show your work!</p>	<p>4. What is the sum of the integers between $-\sqrt{18}$ and $\sqrt{65}$?</p>

Homework- Tuesday (April 23, 2019)

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT.**

<p>1. The square root of 198 is between which two numbers?</p>	<p>2. TRUE or FALSE?</p> <p>a. _____ All fractions are rational numbers.</p> <p>b. _____ Repeating decimals are irrational numbers.</p> <p>c. _____ π is an irrational number.</p> <p>d. _____ All integers are whole numbers.</p>
<p>3.</p> <p>Write in STANDARD NOTATION:</p> <p>a. 4.5×10^6 b. 2.89×10^{-4}</p> <p>Write in SCIENTIFIC NOTATION:</p> <p>a. 678,000 b. 0.0063</p>	<p>4. A side of Jack's aquarium is a square with an area of 145 square inches. What is the length of each side?</p>

Homework - Wednesday (April 24, 2019)

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT.**

<p>1. Write the numbers from least to greatest.</p> $\frac{22}{7}, 200\%, \frac{5}{3}, \sqrt{2}$	<p>2. The area of a square park is 121 square feet. You need to install a fence around the perimeter of the park. The fence costs \$8.25 per foot. How much will the fence cost?</p>
<p>3. What is the distance between the smallest integer greater than $\sqrt{10}$ and the largest integer less than $-\sqrt{17}$? Draw a number line as part of your work.</p>	<p>4. Simplify $\overline{0.7} * \frac{27}{28}$.</p>

Homework - Thursday (April 25, 2019)

Solve the following problems **without a calculator**. You ***MUST*** show your work. ***NO WORK = NO CREDIT.***

<p>1. What is the distance between the smallest integer greater than $\sqrt{18}$ and the largest integer less than $-\sqrt{26}$? Draw a number line as part of your work.</p>	<p>2. Write the following numbers from least to greatest.</p> $4.2 \times 10^{-3}, -4.2 \times 10^2, 4.2 \times 10^3, 0.42$
<p>3. Simplify $\overline{.36} * \frac{11}{54}$.</p>	<p>4. How many times greater is 6.7×10^4 than 3.35×10^3?</p>