

Name: _____

Homework – Monday (February 25, 2019)

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

<p>1. Determine whether each number is rational or irrational.</p> <p>a) $\frac{2}{9}$</p> <p>b) $\overline{.45}$</p> <p>c) $\sqrt{0.036}$</p>	<p>2. Convert to a fraction.</p> <p>a) .25</p> <p>b) $\overline{.6}$</p> <p>c) $\overline{.81}$</p>
<p>3. Solve. Write the answer in lowest terms.</p> <p>$\overline{.24} \div \frac{2}{3}$</p>	<p>4. Which of the following is a rational number? Explain.</p> <p>a) $-\sqrt{36}$</p> <p>b) 2.36965879...</p> <p>c) $\sqrt{13}$</p> <p>d) π</p>

Homework- Tuesday (February 26, 2019)

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

<p>1. Write $\frac{3}{7}$ as a decimal. Show your work.</p>	<p>2. Simplify the square root.</p> <p>a) $\sqrt{16}$</p> <p>b) $\sqrt{36}$</p> <p>c) $\sqrt{144}$</p>
<p>3. Circle the irrational number in each group.</p> <p>$\sqrt{49}$, $\overline{.59}$, -6.123638...</p> <p>5.6 , -4π , $\overline{.871}$</p> <p>$\frac{\sqrt{10}}{2}$, $\sqrt{81}$, $\frac{13}{100}$</p> <p>$\frac{\pi}{4}$, -2 , 3.1415....</p>	<p>4. Determine whether each number is rational or irrational.</p> <p>b) $\sqrt{11}$</p> <p>b) $\sqrt{6^2}$</p> <p>c) $\overline{.03}$</p>

Homework - Wednesday (February 27, 2019)

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

<p>1. Determine whether each number is rational or irrational.</p> <p>a) $\frac{4\pi}{\pi}$</p> <p>b) $\sqrt{18}$</p> <p>c) 21.989</p>	<p>2. The square root falls between which two consecutive integers?</p> <p>a) $\sqrt{33}$</p> <p>b) $-\sqrt{54}$</p> <p>c) $\sqrt{65}$</p>
<p>3. Solve. Write the answer in lowest terms.</p> <p>$\overline{.18} \times \frac{1}{6}$</p>	<p>4. What is the <u>sum</u> of the integers between $\sqrt{10}$ and $\sqrt{37}$.</p>

Homework - Thursday (February 28, 2019)

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

<p>1. Estimate each square root to the nearest whole number.</p> <p>a) $\sqrt{78}$</p> <p>b) $\sqrt{10}$</p> <p>c) $\sqrt{179}$</p>	<p>2. Write the numbers from least to greatest.</p> <p>$22/7$, 200%, $5/3$, $\sqrt{2}$</p>
<p>3. What is the <u>sum</u> of the integers between $\sqrt{5}$ and $\sqrt{56}$.</p>	<p>4. Write the numbers from least to greatest.</p> <p>$7/10$, 75%, $2/3$, .625</p>