

Name: _____

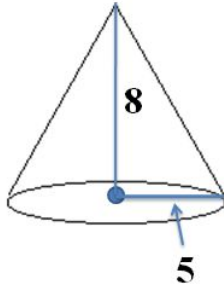
Homework – Monday (May 20, 2019)

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

<p>1. Which set of numbers are all irrational numbers?</p> <p>A. $\{\pi, \sqrt{2}, \sqrt{9}\}$</p> <p>B. $\{-3, -\frac{2}{7}, \sqrt{16}\}$</p> <p>C. $\{\sqrt{8}, \sqrt{12}, \sqrt{17}\}$</p> <p>D. $\{\sqrt{25}, \sqrt{36}, \sqrt{49}\}$</p>	<p>2. List the numbers in order from least to greatest.</p> <p>$\sqrt{8}, \frac{77}{20}, 2, \sqrt{1}, \frac{39}{25}$</p>
<p>3. What is the sum of the numbers between $\sqrt{17}$ and $\sqrt{76}$?</p>	<p>4. Solve. Write the answer in lowest terms.</p> <p>$\overline{.18} \times \frac{1}{3}$</p>

Homework- Tuesday (May 21, 2019)

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

<p>1. The coordinates of a vertices of a triangle KLM are K(1, 3), L(1, 1), and M(4, 1). The triangle will be translated 3 units to the right and 4 units up. What will be the coordinates of the image point K'?</p>	<p>2. What is the volume of the figure?</p>  <p>The diagram shows a cone with a vertical line segment from the apex to the center of the base, labeled with the number 8. A horizontal line segment from the center of the base to the edge of the base is labeled with the number 5. An arrow points from the number 5 to this radius line.</p>
<p>3. A ladder is leaning against the side of a house. The base of the ladder is 8 feet away from the wall, and the top of the ladder reaches a point on the house that is 15 feet above the ground. What is the length of the ladder?</p>	<p>4. There are 12 cylindrical cans in a package. Each can has a height of 4.9in and a diameter of 2.5in. What is the approximate total volume of the 12 cans?</p>

Homework - Wednesday (May 22, 2019)

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

1. The equation $y = 0.95x + 3$ models the cost to ride in a taxi, where y is the total cost for a ride, and x is the number of miles driven. What does the slope of the line represent?

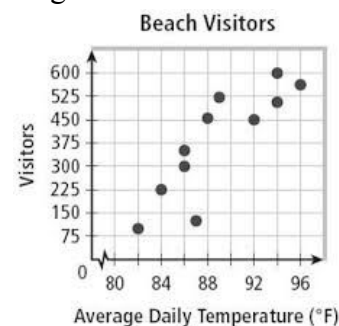
2. Mr. Williams asked his students how long they studied for their last test. Based on the table, what percentage of the students studied 1 hour or more for the test? Round to the nearest whole number.

	1 hour or more	Less than 1 hour
Boys	29	31
Girls	36	24

3. Which set of data would most likely show no correlation when graphed on a scatterplot?

- A. number of pets and number of siblings
- B. number of sunny days and umbrella sales
- C. the age of a tree and the height of the tree
- D. time spent studying and grades made in class

4. Write a statement to best describe the correlation of the graph. Is this a positive or negative correlation?



Homework - Thursday (May 23, 2019)

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

1. Write an equation of a line that passes through $(-4, 3)$ and $(-1, 6)$.

2. A plumber charges \$50 for a house call, and \$36 dollars per hour. A second plumber charges \$35 for a house call, and \$39 per hour. When will their price be the same?

3. In the year 2000, there were approximately 532,000 people born in California. What is 532,000 written in scientific notation?

4. The perimeter of the rectangle below is 28ft. What is the value of x ?

