Week 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **Homework: Tuesday, September 6, 2016**

***TRY YOUR BEST! SHOW ALL OF YOUR WORK! ☺☺ NO WORK! NO CREDIT!***

|  |  |
| --- | --- |
| **Which number is irrational?**1. 1.6739 B. $\sqrt{14}$ C. $6.\overbar{23}$ D. $\frac{8π}{π}$
 | **Order the numbers below from least to greatest.** $π$$\sqrt{39}$ **7** $4\sqrt{5}$1. $π$, $\sqrt{39}$, 7, $4\sqrt{5}$
2. $π$, $\sqrt{39}$, $4\sqrt{5}$, 7
3. $\sqrt{39}$, 7, $4\sqrt{5}$, $π$
4. 7, $4\sqrt{5}$, $π$, $\sqrt{39}$
 |
|  **ASTRONOMY** The pull of gravity on the surface of Mars is 0.38 that of Earth. Write 0.38 as a fraction in simplest form. | **Which number is rational?** 1. $π$ B. $\sqrt{5}$ C. -9 D. 2$\sqrt{6}$
 |

**Homework: Wednesesday, September 7, 2016**

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| --- | --- |
| Which answer is a solution to the inequality shown? $x\geq 8$1. $\sqrt{32}$ B. 2$\sqrt{8}$ C. $\sqrt[3]{8}$ D. 5$\sqrt{5}$
 | **Which number is an integer?** 1. $\sqrt{16}$ B. $\sqrt{27}$ C. - $\sqrt{10}$ D. $\sqrt{117}$
 |
| What is the distance between point A and B on the number line? BAhttp://img.sparknotes.com/figures/5/50ca5e784bb7e4242910d5b8a571d103/number_line.gif4.53.5$$\sqrt{16}$$$$\sqrt{9}$$1. 2 units B. 7.25 units C. 1.25 units D. 5.5 units
 |
| **EDUCATION** A local middle school has 47 computers and 174 students. What is the number of students per computer at the school? Write your answer as both a mixed number in simplest form and a decimal rounded to the nearest tenth. | Which is a proper classification of -6.789……? 1. Rational and whole
2. Rational and integer
3. Irrational and integer
4. Irrational and real
 |

 **Homework: Thursday, September 8, 2016**

***TRY YOUR BEST! SHOW ALL OF YOUR WORK! ☺☺ NO WORK! NO CREDIT!***

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tori has a goal to practice gymnastics 5 hours a week. The table below shows her practice schedule. How much time will she be short of her goal?

|  |  |
| --- | --- |
| Day of the Week  | Time Spent Practicing  |
| Monday | $\frac{5}{6}$ of an hour |
| Tuesday | $\frac{2}{3}$ of an hour |
| Wednesday | 1 hour and 15 minutes  |
| Thursday | * 1. hour
 |

1. 3 hours B. 1 ½ hours C.2 hours D. 2 ½ hours
 | Nick and Anthony decided to paint the bonus room. Nick painted ¼ of the room and Anthony painted 0.4 of the room. What percent of the room was painted by Nick and Anthony? 1. 75% B. 65% C. 80% D. 18%

Which of the following answers describes the set of numbers that -64 belongs to? 1. Prime
2. Integers only
3. Irrational only
4. Both integers and rational
 |
| **BASEBALL** In the 2008 season, the Florida Marlins won 84 out of 162 games. What was the ratio of wins to total games? Write your answer as both a fraction in simplest form and a decimal rounded to the nearest thousandth. | Which is a proper classification of -9.21?1. Rational and negative
2. Irrational and decimal
3. Irrational and negative
4. Rational and integer
 |