Name

Tuesday	
Convert: 54 feet per second to meters per second.	Determine whether the situation is exact, approximate or an estimate: A square with a side length of 12 feet has a diagonal that is 16.97 feet.
Jesse mixed 8.2 oz of paprika with 12.26 oz of pepper. How much of the spice combination does Jesse have? Explain where to round your answer.	Determine whether the situation is exact, approximate or an estimate: Wedding planner needs to determine how many appetizers to order for between 200 and 220 guests
Rationalize the denominator. $\frac{3}{\sqrt{2}}$	Determine the number of Significant Digits. 3,000,001
Determine the number of Significant Digits. 301,000	Multiply 2.25 by 20. Write the answer with the correct number of sig figs.

WEDNESDAY		
Exponents Review: simplify $x^2 \cdot x^3$	Convert: 67 miles per hour to feet per second.	
Closure Property: Are INTEGERS closed under multiplication? Why or why not?	Rationalize the denominator. $\frac{\sqrt{5}}{2\sqrt{3}}$	
Are INTEGERS closed under subtraction? Why or why not?	Exponents Review: simplify $\frac{3x^{-2}y^{6}}{5x^{3}y^{-1}}$	
Are irrational numbers closed under multiplication? If not, give an example.	Closure Property: Are WHOLE Numbers closed under multiplication? Why or why not?	

Name\_

THURSDAY	
<ul><li>Decide if the answer is always, sometimes or never.</li><li>Rational + Irrational = Irrational</li></ul>	Rationalize the denominator.
<ul> <li>Irrational + irrational = irrational</li> </ul>	2√3
Decide if the answer is always, sometimes or never. **Note: assume the rational numbers are nonzero. •Rational times Irrational = Irrational •Irrational times irrational = rational	Exponents Review: simplify $\left(\frac{1}{2}\right)^{-3}$
Are WHOLE numbers closed under subtraction? Why or why not?	Are irrational numbers closed under addition or subtraction?
Are rational numbers closed under division (non-zero rational numbers)?	Find the area of the right triangle in terms of a. $6a \begin{bmatrix} 6a \\ 13a \end{bmatrix}$