warm up review 2/22 - 2/26 name_____

1. Circle all of the following that are equal to $-2 \times \frac{4}{7}$. Show work to justify your answer. A. $\frac{-2}{-7} \times 4$ B. $\frac{-2}{7} \times 4$ C. $\frac{-2\times4}{-2\times(-7)}$ D. $2 \times 4 \times \frac{-1}{7}$ E. $\frac{2}{7} \times 4$ F. $\frac{2\times(-4)}{7}$	2. Two consecutive numbers add up to 51. What are the two numbers?	3. Drew bought some exercise equipment for $140 before tax. After tax, the equipment was $148.05. What was the percent of sales tax?
1. Consider the equation $3 + x = n$. What must be true about any value of x if n is a positive number? Explain your answer. Include an example with numbers to support your explanation.	2. An airplane's altitude changed -415 feet over 5 minutes. What was the mean change of altitude in feet per minute?	3. What is the value of $-\frac{3}{5}\left(-\frac{5}{8}\right) \div -\frac{11}{20}$?

1. At the fall festival the tennis team is selling hamburgers for \$1.75, hot dogs for \$1.25, and drinks for \$0.75. Half of the money raised will go toward team uniforms. If they sell 25 hamburgers, 37 hot dogs, and 72 drinks, how much money will they have to put towards the purchase of uniforms?	2. Brittany's family can eat $(15h - 9)$ hamburgers. Carl's family can eat $(12h + 4)$ hamburgers. Write an expression to show the difference between the number of hamburgers Brittany's family can eat and the number of hamburgers Carl's family can eat.	3. A machine packs boxes at a constant rate of $\frac{5}{6}$ of a box every $\frac{1}{3}$ minute. What is the number of boxes per minute that the machine packs?
1. If $y = \frac{x}{5}$, what happens to y as x increases?	2. A rectangle has sides measuring 7.5 meters and 3.5 meters. The lengths of a second rectangle are proportional to the lengths o the legs of the first rectangle. Which could be the lengths of the legs of the second rectangle? Select **each** correct pair of lengths. A. 3.75 m and 1.75 m B. 12.5 m and 8.5 m C. 15 m and 7 m D. 11.25 m and 5.25 m E. 5.5 m and 1.5 m	3. A bookcase in a classroom contains books that weigh 0.6 pound each. The bookcase alone weighs 26.8 pounds. If the total weight of the books and the bookcase is 36.4 pounds, how many books are in the bookcase?