-Class:_____ Name: :_____ Super Fun Math Exam final review

A. Addition of fractions

1. $\frac{2}{3} + \frac{1}{2}$ = 1 1/6

2. $\frac{5}{12} + \frac{3}{8}$ = 19/24

3. $1\frac{7}{9} + 3\frac{2}{3}$ = 5 4/9

4. $2\frac{1}{4} + 1\frac{1}{2}$ = 3 3/4

C. Subtraction of fractions

1. $\frac{5}{6} - \frac{3}{10}$ = 8/15

2. $1\frac{1}{2} - \frac{3}{4}$ = 3/4

D. Multiplication of fractions

1. $\frac{6}{8}$ x $\frac{1}{4}$ = 3/16

2. $\frac{5}{9}$ x $2\frac{1}{10}$ = 1 1/6

E. Division of fractions

1. $\frac{8}{9} \div 6$ = **4/27**

2. $\frac{1}{2} \div \frac{1}{16}$ **=8**

3. $9 \div \frac{4}{5}$ = 11 1/4

4. $3\frac{3}{6} \div 2\frac{1}{3}$ 1 1/2

F. Expressing fractions as decimals. *<u>Round the answer to one decimal place.</u> *

1. $\frac{5}{3}$ = 1.7

2. $\frac{25}{8}$ = 3.1

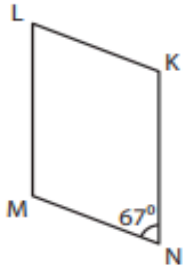
3. $\frac{4}{5}$ = .8

4. $\frac{3}{10}$ = .3

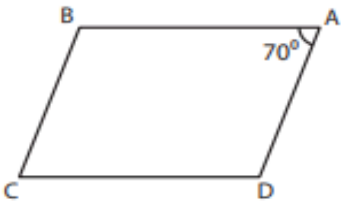
Shape	square	rectangle	rhombus	parallelogram	trapezoid
All Sides are equal	YES		YES		
Opposite sides are equal	YES	YES	YES	YES	
Only one pair of parallel sides					YES

Two pairs of parallel sides	YES	YES	YES	YES	
All angles are right angles	YES	YES			

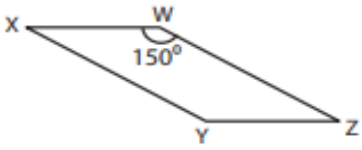
1)



2)

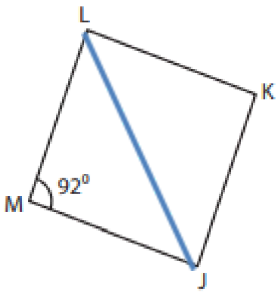


3)

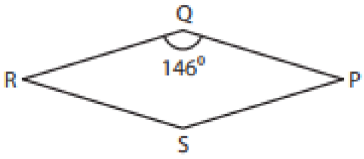


Angle MLK=_____67°____ Angle BCD=_____70°___ Angle WXY=____30°__

4)



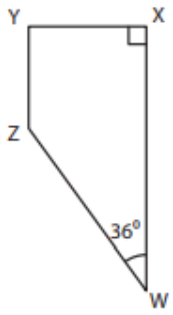
5)



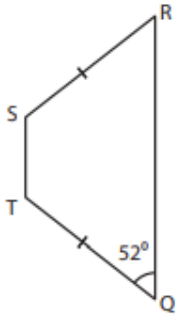
Angle LJK=_____44°___ Angle QPS=___34°_____ Angle z=127°_____

B) Find the measure of the indicated angles in each trapezoid.

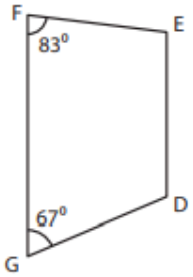
4)



5)



6)



Angle YZW=__144° Angle QRS=___52°___ Angle GDE=__113°___

G. Word Problems

1. Aidan pours 7 liters of soup into huge cups. The capacity of each cup is $\frac{3}{4}$ liters. How many cups does she need? 10

2. Ryan had 280 cards. He placed $\frac{3}{4}$ of the cards inside his schoolbag and gave $\frac{2}{5}$ of the remainder to his friends. How many cards did he have left? 42

3. Miffy bought 120 eggs. She used $\frac{2}{3}$ of them for baking cakes. She used $\frac{1}{4}$ of the remainder for baking cookies. How many eggs did she have left? 30

4. Mr. R only had $600. He donated $\frac{3}{5}$ of it and spent $\frac{3}{8}$ of the remainder. How much did he spend? 90

5. A rectangle measures $1\frac{1}{2}$ meters by $2\frac{3}{5}$ meters. Find its area. 3 9/10