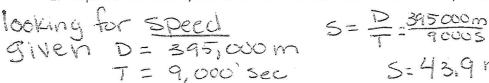
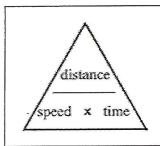
## DISTANCE, TIME, SPEED PRACTICE PROBLEMS

## You MUST SHOW YOUR WORK.

You can use a calculator but must show all of the steps involved in the problem.

1. A plane travels 395,000 meters in 9000 seconds. What was its speed?





2. Mr. Kish is trying to catch up with Mr. Krippel in the hallway. If he travels at a speed of 1.7 m/s for 52 seconds, how far will he go? Will he catch up to Mr. Krippel who is 75 meters away? >>> \GS,

dnes move

3. If I drive to school at 62 mph and I live 23 miles away, how long will it take me to get to school?

100 king for time 
$$T = \frac{D}{5} = \frac{23 \text{ m}}{62 \text{ mph}}$$
  
Given  $5 = 62 \text{ mph}$   
 $D = 23 \text{ m}$   $T = 0.37 \text{ hours}$ 

$$T = \frac{D}{5} = \frac{23 \text{ m}}{62 \text{ mpin}}$$

$$T = 0.37 \text{ hours}$$

$$T = 22.3 \text{ minutes}$$

4. You are sleepwalking at a rate of 0.4 m/s down a hallway and the stairs are 4 meters away, if you walk for 15 seconds will you fall down the stairs?

Given S=0.4 m/s

$$D = 5*T$$
 $T = 15 sec$ 
 $D = 6 m$ 

Ves, Lwin

fall down

The

Yes, I will

5. If you shout into the Grand Canyon, your voice travels at the speed of sound (340 m/s) to the bottom of the canyon and back, and you hear an echo. How deep is the Grand Canyon at a spot where you can hear your echo 7.4 seconds after you shout? (hint: echo is the time is takes for sound to get there AND BACK)

