Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework, Monday October 1st**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1) Tiara is practicing for a swim meet. Four of her practice results are shown in the table.   |  |  | | --- | --- | | **Distance (in meters)** | **Time (in seconds)** | | 50 | 55 | | 100 | 128 | | 200 | 194 | | 400 | 344 |   For which distance did Tiara swim the fastest? |
| 2) What rate provides the shortest time?   |  |  | | --- | --- | | **Rate (miles/hour)** | **Distance (miles)** | | 65 | 200 | | 68 | 150 | | 72 | 180 | | 80 | 320 | |
| 3) For which rate is the distance the shortest?   |  |  | | --- | --- | | **Rate (miles/hour)** | **Time (hour)** | | 70 | 0.4 | | 100 | 0.25 | | 80 | 0.3 | |
| 4) A car traveled for 30 minutes hour at a speed of 32 miles per hour. It then immediately slowed to 35 miles per hour and traveled at that speed for the next ¾ hour. What is the total distance the car traveled during this time? |
| 5) Ms. Lowe is traveling to the mall. On the way there, he travels at a speed of 70 miles per hour for Hour. On the way back, he is caught in traffic, has to take his friend home and travels at a rate of 30 miles per hour for hour. What is the total distance traveled during this trip? |
| 6) The basketball team travels to Vance MS at 25 mph for hour. On the way back, they stop at McDonald’s and travel at 20 mph for hour. What is the total distance the team traveled during this trip? |
| 7) The 8th grade travels downtown for a fieldtrip for hour at 45 mph. They then travel to Germantown for the second part of the trip. It takes 1 hour at 65 mph. What is the distance of the total trip? |