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 $\frac{1}{4}$ 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 $\frac{3}{4}$ hour. What is the total distance traveled during this trip? |
| 6) The basketball team travels to Vance MS at 25 mph for $\frac{1}{5}$ hour. On the way back, they stop at McDonald’s and travel at 20 mph for $\frac{2}{5}$ hour. What is the total distance the team traveled during this trip? |
| 7) The 8th grade travels downtown for a fieldtrip for $\frac{1}{4}$ 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? |