



SHOW ME THE MATH

8

Name _____

A car began to overheat every 45 miles and its radiator needed to be refilled with water. The nearest garage is 270 miles away. It takes 12 minutes to refill the car with water. The car starts to overheat at 8:50 AM and stops for its first water refill. The car travels at an average speed of 60 mph, what time will the car arrive at the garage?



Determine what time the car will arrive at the garage. (hint: Total time needed to travel added to time the car started to overheat.)

Number of stops needed to refill the car's radiator: _____

Total time needed to refill the car: _____

Time to travel 270 miles at 60 mph nonstop: _____

Time the car will arrive at the garage: _____