

②③ The tire has a diameter of 29.10 inches. ~~How~~ In one turn, a point on the tire will move a distance equal to the circumference. $Circ = 2\pi r = \pi d = (3.14)(29.10)$
 $Circ = 91.083 \text{ inches (calc)}$

Bonus: A mile is $5280 \text{ ft} = 5280 \times 12 \text{ inches} = 63,360 \text{ inches (calc)}$.

~~Revolutions = miles~~ $\text{Revolutions} \times \text{circ} = 1 \text{ mile}$,

$$\text{so } Rev = \frac{63,360 \text{ inches}}{91.083 \text{ inches}} \approx 696 \text{ revolutions}$$

Extra tasks: ① ~~to~~ Cut out a triangle and label the vertices A, B, C. Cut it into three pieces, one with each vertex, and lay them ~~out~~ next to each other to show they add up to a line.

② Draw 2 circles as on p. 571, and cut them into eighths. Rearrange the eighths as on p. 571 to show why the area is close to $2\pi r \cdot r$.
For A and B you do not have to hand anything in except "I did A" and "I did B" if you did them.