Pre-Calculus Chapter 4 test part 1 review 1.) Find the length of the arc on a circle of radius 21 inches intercepted by an arc of 110 degrees. $\Theta = \frac{s}{r}$ S=ro S= 40.32in. 110°. IV = 110°IV = 1111 180 - 180 - 1111 18

2.) Frosty the snowman was peddling his unicycle that has 22" radius wheels along the Winter Wonderland Trail. If the wheel made 40 rpm, what is his speed in miles per hour?

Frosty the ζ 2" radius wheels and ζ theel made 40 rpm, what is $\frac{40 \text{ rsv}}{1 \text{ min}} \cdot \frac{60 \text{ min}}{1 \text{ hr}} \cdot \frac{27 \text{ min}}{1 \text{ rsv}} \cdot \frac{1 \text{ rsv}}{1 \text{ rsv}$



