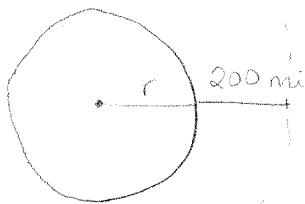


P #10

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$r = 3963 \text{ mi}$



$$C = 2 \cdot \pi \cdot r$$

$$= 2 \cdot \pi \cdot (3963 \text{ mi} + 200 \text{ mi})$$

$$C = 26,157 \text{ mi (distance)}$$

$$v = 19,800 \text{ mi/hr}$$

$$d = v \cdot t \text{ so } (26,157 \text{ mi}) = (19,800 \text{ mi/hr}) \cdot$$

$$t = 1.32 \text{ hr}$$