



## Speed of sound

$$\frac{767 \text{ mi}}{\text{hr}} \left( \frac{5280 \text{ ft}}{1 \text{ mi}} \right) \left( \frac{1 \text{ hr}}{3600 \text{ sec}} \right) = \boxed{1124.93 \frac{\text{ft}}{\text{sec}}}$$

## Speed of light

$$180,000 \frac{\text{mi}}{\text{sec}}$$

To the Sun 93,000,000 mi

$$\frac{93,000,000 \text{ mi}}{1} \left( \frac{\text{sec}}{180,000 \text{ mi}} \right) = 500 \text{ sec}$$

$$\frac{500}{60} = \textcircled{8.33 \text{ min}}$$