

# MPH-GEAR RATIO-RPM-TIRE SIZE EQUATIONS

$$\text{MPH} = \frac{\text{RPM} \times \text{TIRE DIAMETER}}{\text{TRANS RATIO} \times \text{REAREND RATIO} \times 336}$$

$$\text{RPM} = \frac{\text{MPH} \times \text{TRANS RATIO} \times \text{REAREND RATIO} \times 336}{\text{TIRE DIAMETER}}$$

$$\text{TRANS RATIO} = \frac{\text{RPM} \times \text{TIRE DIAMETER}}{\text{MPH} \times \text{REAREND RATIO} \times 336}$$

$$\text{REAREND RATIO} = \frac{\text{RPM} \times \text{TIRE DIAMETER}}{\text{MPH} \times \text{TRANS RATIO} \times 336}$$

$$\text{TIRE DIAMETER} = \frac{\text{MPH} \times \text{TRANS RATIO} \times \text{REAREND RATIO} \times 336}{\text{RPM}}$$