





Trig


Name _____


$\omega = 10 \frac{\text{Rev}}{\text{min}}$

 Find ω in $\frac{\text{Rad}}{\text{sec}}$

 Find Arc s
 $r = 5 \text{ ft}$
 $\theta = 1 \text{ radian}$

$r = 10 \text{ ft}$

 $v = 50 \text{ ft/sec}$
 Find ω in $\frac{\text{Rad}}{\text{sec}}$

 Find θ
 in radians
 $s = 10 \text{ ft}$
 $r = 2 \text{ ft}$

$\omega = 10\pi \frac{\text{Rad}}{\text{sec}}$

 $r = 8 \text{ ft}$ Find v

 Find Radius
 $s = 10 \text{ ft}$

Solve for indicated variable

$s = r\theta$

$\theta = \underline{\hspace{2cm}}$

$r = \underline{\hspace{2cm}}$

$v = r\omega$

$\omega = \underline{\hspace{2cm}}$

$r = \underline{\hspace{2cm}}$

$\theta = \omega t$

$t = \underline{\hspace{2cm}}$

$\omega = \underline{\hspace{2cm}}$