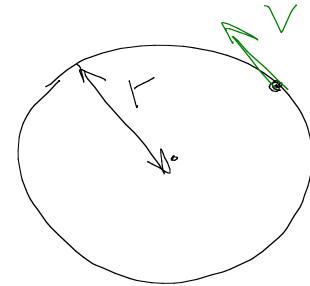
9/20/201

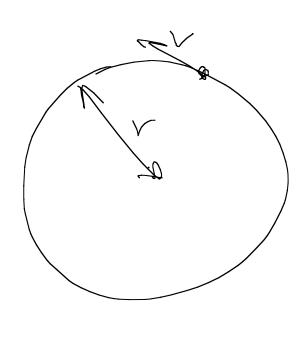
2 D Motion

Uniform Circular



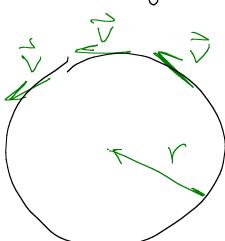
Plain Plan

Speed stays constant

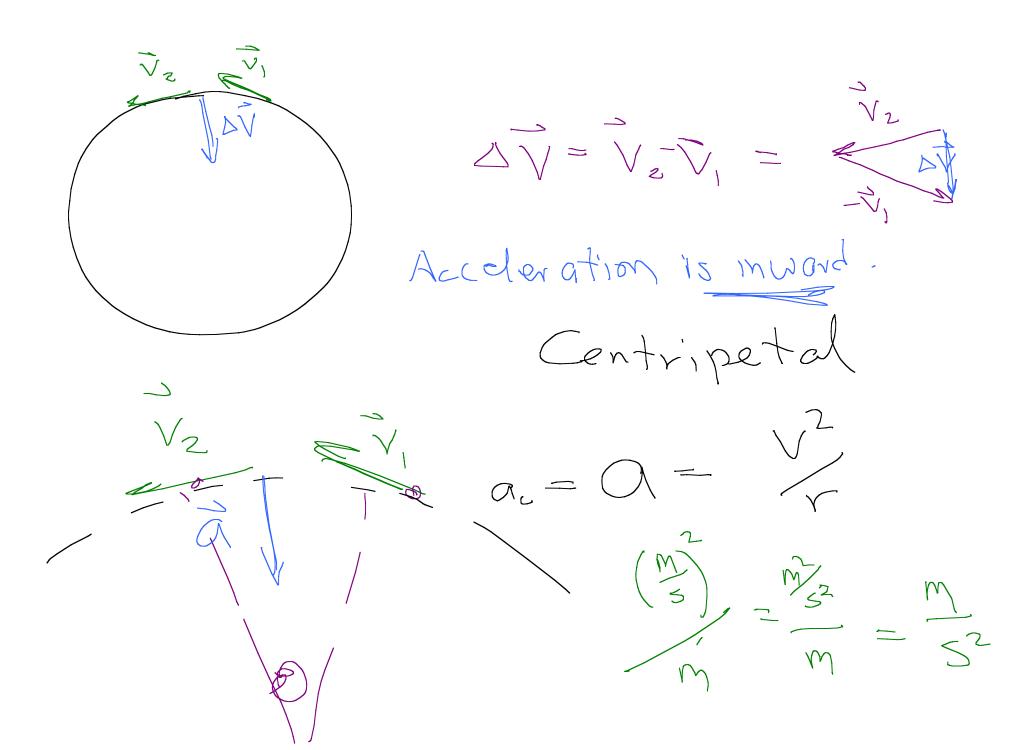


$$T = \frac{2\pi v}{V}$$

$$\omega = ang freq = \frac{2\pi}{T} = 2\pi f$$



It is accelerating!



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How fast car go to round turn of radius 75m for its accel to numerically egad that grav.

$$a = \frac{2}{\sqrt{9.852}} = (9.852)$$
 $\sqrt{-100} = (9.852) = (-754)(9.853)$ 

$$V=27.1\frac{m}{5}$$

Non-uniform circ motion / not const