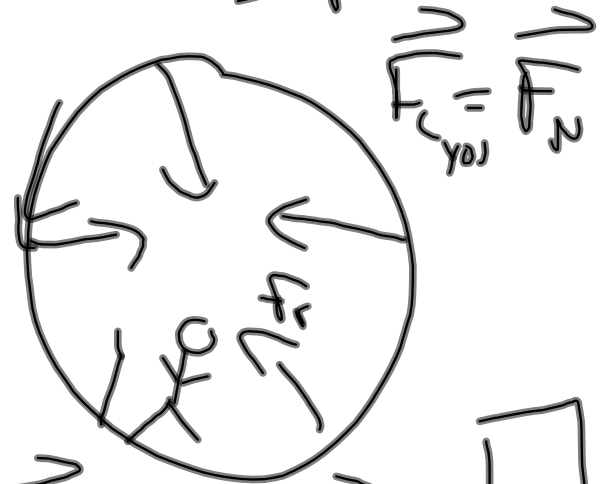


⊙ ← Appear weightless because
only force is $F_g \Rightarrow F_c$

(E)

$\Rightarrow a_c$ same for you and ship.



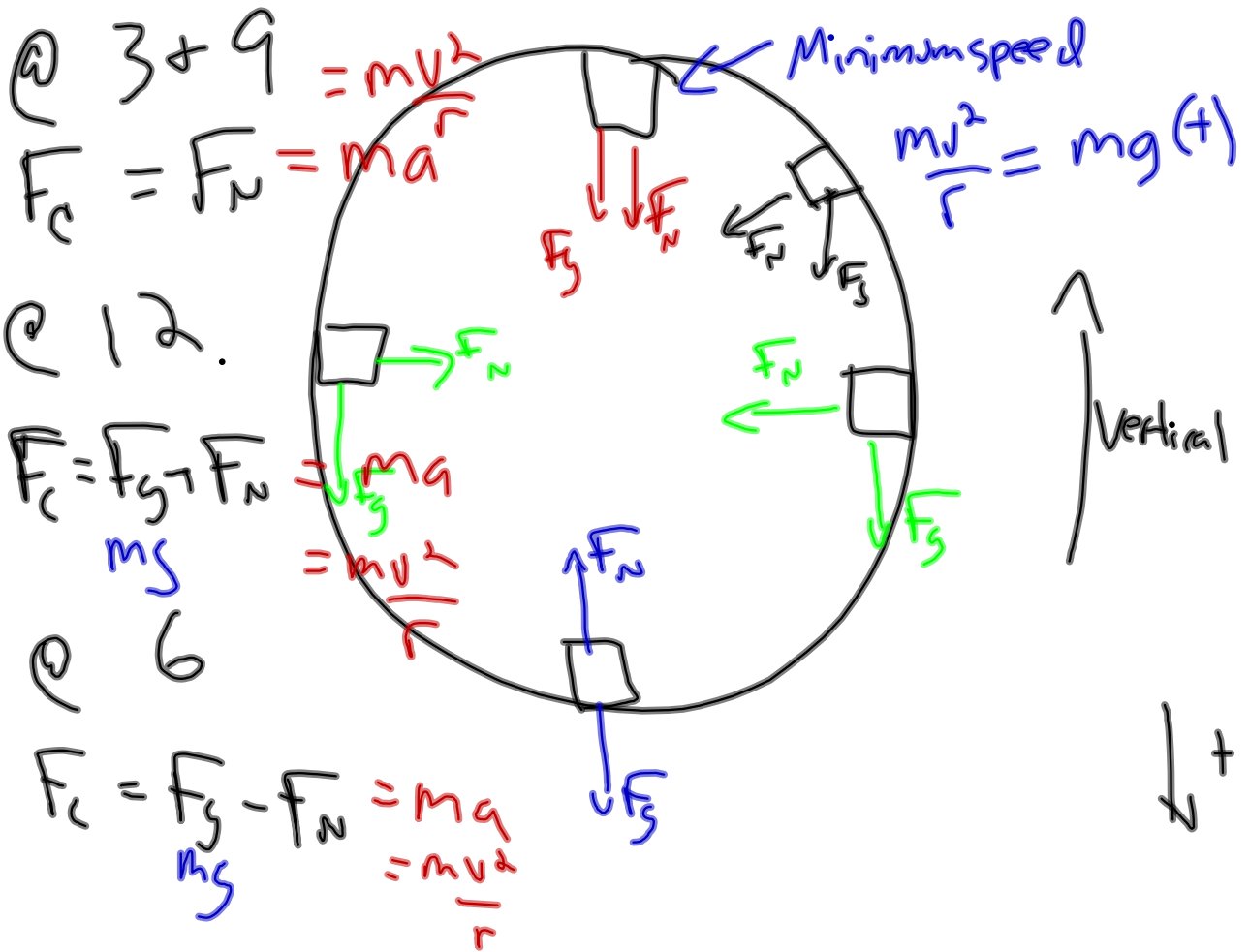
want to
Spin ship

to create $F_N \Rightarrow F_c$

you can modify
either "v" spin, or "r" of ship.

$$= \frac{mv^2}{r}$$

for ship $\frac{v^2}{r} \approx 9.81 \frac{m}{s^2} \approx a_c$



Circular Motion
 → Non-Uniform