Uniform Circular Motion

I.	A m	nass	is being	twirled in	a circle	e of radius	0.4 m.	It	makes	10	revolution	every
	seco	ond.	Calculat	te the angu	ılar velo	ocity.						

Given	Picture and Process
Unknowns	
Equation	
Solution	

II. A mass is being twirled in a circle of radius $0.7\,m$. It makes 16 revolution every second. Calculate the angular velocity.

Given	Picture and Process
Unknowns	
Equation	
Solution	

III. A mass is being twirled in a circle of radius $0.4\,m$. It makes 10 revolution every second. Calculate the linear velocity.

Given	Picture and Process
Unknowns	
Equation	
Solution	

IV. A mass is being twirled in a circle of radius $0.7 \, m$. It makes 15 revolution every second. Calculate the linear velocity.

Given	Picture and Process
Unknowns	
Equation	
Solution	

V.	A $0.2 kg$ mass	is being	twirled in	a circle	of radius	0.4 m.	It makes	10	revoluti	on
	every second.	Calculate	e the centi	ripetal fo	orce.					

Given	Picture and Process
Unknowns	
Equation	
Solution	

VI. A $0.4\,kg$ mass is being twirled in a circle of radius $0.7\,m$. It makes 16 revolution every second. Calculate the centripetal force.

Given	Picture and Process
Unknowns	
Equation	
Solution	

VII. AA 0.2 kg mass is being twirled in a circle of radius 0.4 m. It makes 10 revolution every second. Calculate the centripetal acceleration?

Given	Picture and Process
Unknowns	
Equation	
Solution	

VIII. A $0.4\,kg$ mass is being twirled in a circle of radius $0.7\,m$. It makes 16 revolution every second. Calculate the centripetal accelertion

Given	Picture and Process
Unknowns	
Equation	
Solution	

Physics 2 RH Cox