Uniform Circular Motion

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

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 revolution every second. Calculate the centripetal force.

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		