Example 4: You are playing with a yo-yo with a mass of way. The full length of the string is you. You decide to see how slowly you can swing it in a vertical circle while keeping the string fully extended, even when the yo-yo is at the top of its swing.

- A. Calculate the minimum speed at which you can swing the yo-yo while keeping it on a circular path.
- B. Find the tension in the string when the yo-yo is at the side and at the bottom of its swing.

