Name: _____

Student ID: _____

Quiz 7

Question 1. *(6 marks)* Part of a security fence is built 2.59m from a cylindrical storage tank 11.2 m in diameter. What is the area between the tank and this part of the fence if the central angle of the fence is 75.5°?

Question 2. *(4 marks)* A DVD has a diameter of 12.1 cm and rotates at 360.0 r/min. What is the linear velocity of a point on the outer edge?