**PHYS 133 – TERM 052**
**QUIZ # 6**

**Name: _____ ID # _____**

1. A string resonates at four loops at a frequency of 280 Hz. Find the fundamental frequency.

2. A 500 g mass attached to a spring vibrates according to the equation: $X = 0.45 \cos(8t)$. Find:

   a) The frequency
   b) The total Energy