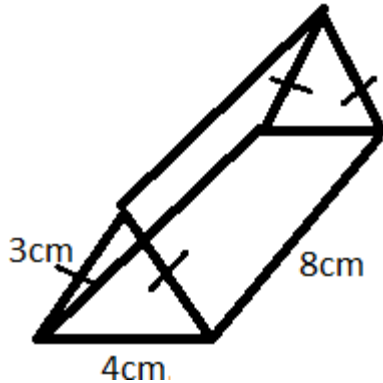


Name: _____ Date: _____

MPM1D – Choice Assignment #4
Due: Wednesday, April 4th, 2018

Please answer **eight** of the following **nine** questions. Good luck and have fun!

- 1) Find the volume and surface area of the **triangular prism** as follows:



- 2) A square-based pyramid has a base of **8cm** and a height of **10cm**. Calculate the **surface area** and **volume**
- 3) A cone has a volume of **100cm³** and a **height** of **4cm**. Calculate its radius
- 4) A cone has a radius of **10cm** and a height of **12cm**. Calculate its surface area
- 5) A sphere has a radius of **4.2cm**. Calculate its volume.
- 6) A sphere has a surface area of **125cm²**, calculate its radius.
- 7) A cylinder has a surface area of **214cm²** and a radius of **6cm**. Calculate its volume.
- 8) A sphere has volume **1300cm³**. Find its surface area.
- 9) Calculate the volume of the following brick (the picture is awful, but there are three holes in a brick, each with a radius of 1cm):

