MA 202: Circular Solids
02/22/18

1. We will investigate the surface area of a right circular cylinder.

    (a) Draw a net for a right circular cylinder.

    (b) Labeling the radius of the cylinder as r and the height as h, use your net to find a formula for the surface area of the cylinder in terms of r and h.

2. We will investigate the surface area of a right circular cone.

    (a) Draw a net for a right circular cone. (Hint: you can form the lateral surface of the cone by cutting out a sector of a circle and folding it so that the cut edges meet.)

    (b) Labeling the slant height of the cone as l and the radius of the base as r, use your net to find a formula for the surface area of the cone in terms of r and l.