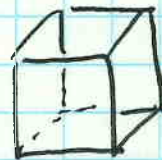


10.2 - Surface Area and Volume of prisms and cylinders

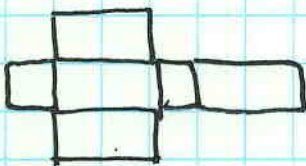
prism - 2 parallel ^{congruent} bases → polygon, lateral faces (sides) parallel to the opposite face

surface area → Area of all the faces and the 2 bases

Draw the "net" or flat shape
take into account bases & faces



Cube



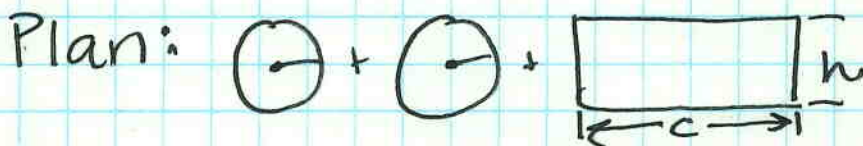
Rectangular prism

Plan



cylinder - prism w/ a circular base

Surface Area: area of 2 bases + area of the middle rectangle



$$2(\pi r^2) + Ch$$

p466: 1-3, 6-7, 9, 10, 12