

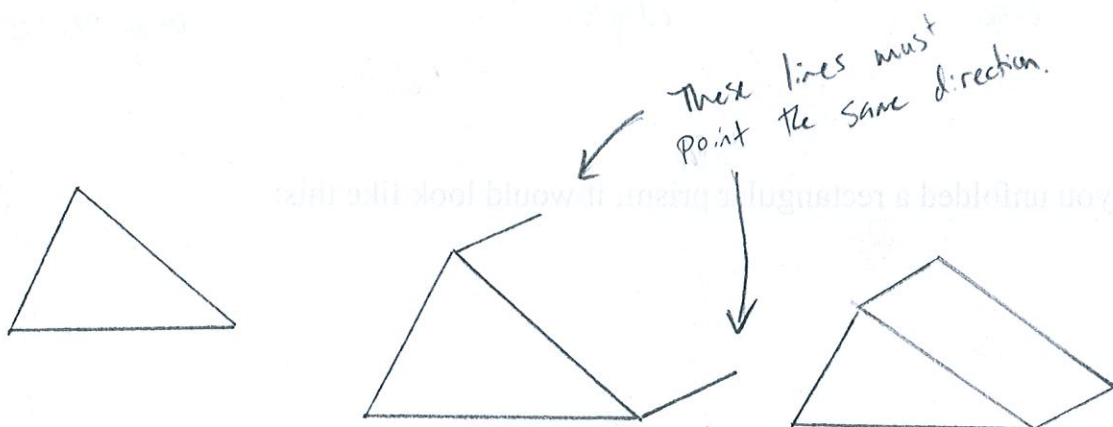
X _____
X _____
X _____

Group: _____
Math _____
Notes _____

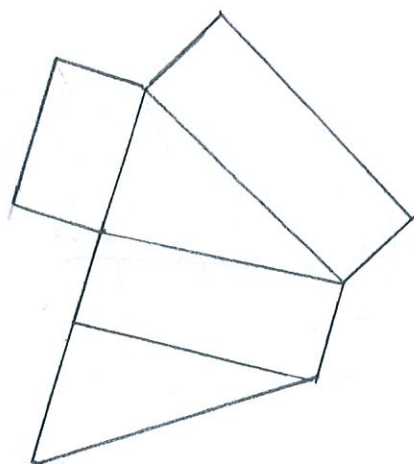
How to Sketch 3-D Shapes

Prisms are 3-D shapes in which the top and bottom faces (or bases) are the same shape and the other faces (the sides) are rectangles. The shape of the bases tells us what the name of the prism is.

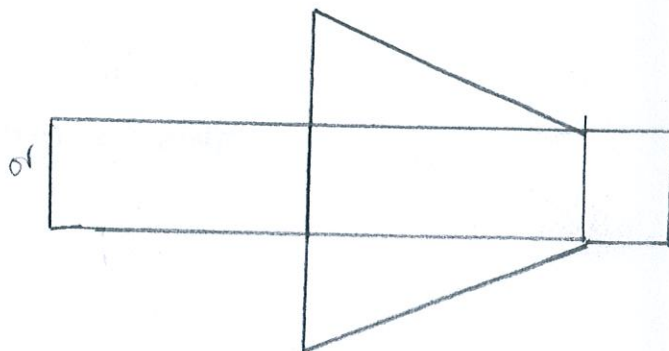
Triangular prisms have _____ faces (2 triangle bases and 3 rectangle sides).



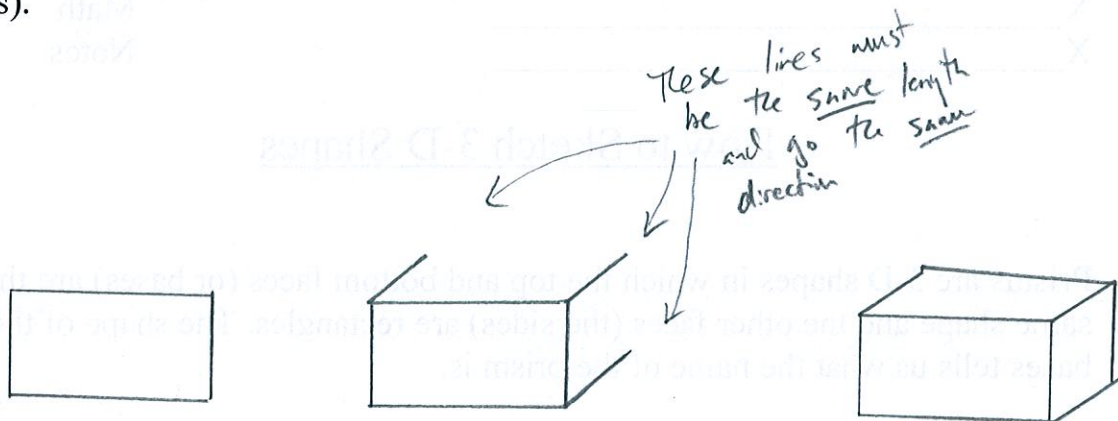
If you unfolded a triangular prism, it would look like this:



This is called the net.



Rectangular prisms have _____ faces (2 rectangle bases and 4 rectangle sides).

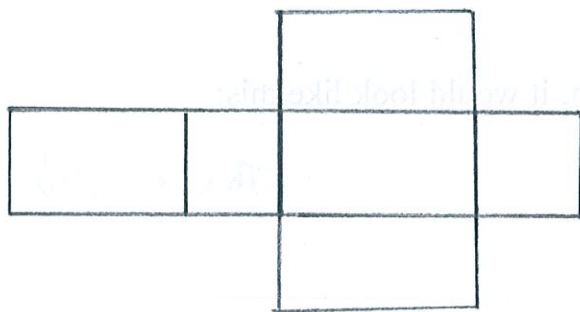


Draw a base

Add the edges.

Connect them to form the sides.

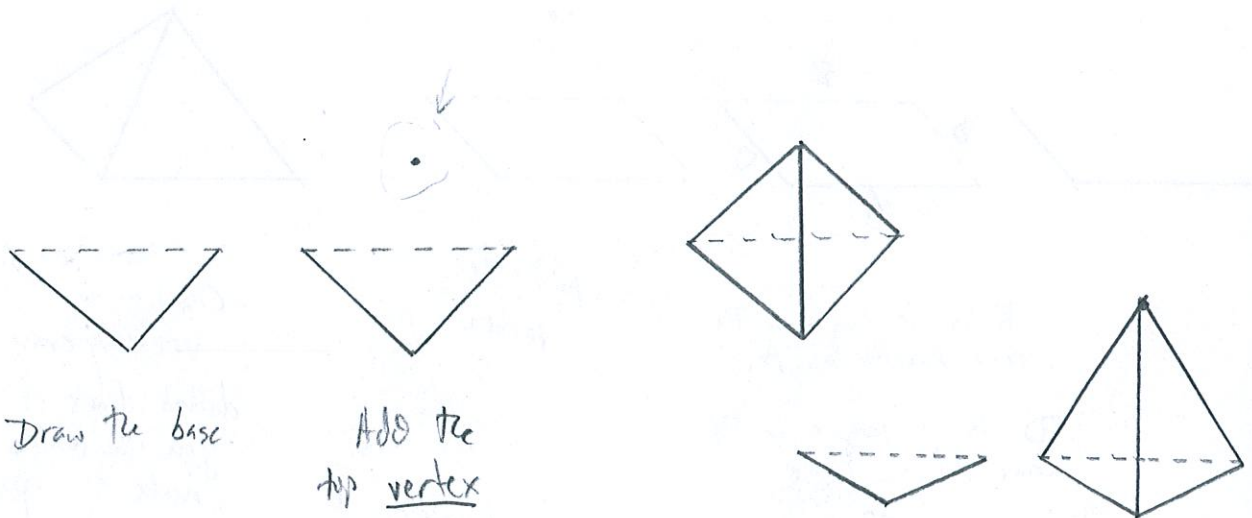
If you unfolded a rectangular prism, it would look like this:



This is called the ... _____

Pyramids are 3-D shapes in which the base is a polygon and the other faces (the sides) are triangles that meet at a point (or vertex). The shape of the base tells us what the name of the pyramid is.

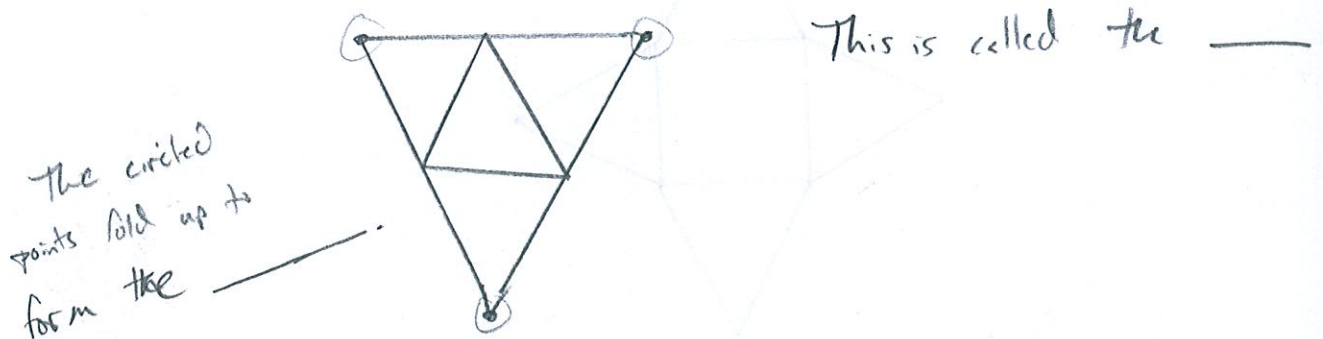
Triangular pyramids have _____ faces (1 triangle base and 3 triangular sides).



Draw the base.

Add the top vertex

If you unfolded a triangular pyramid, it would look like this:

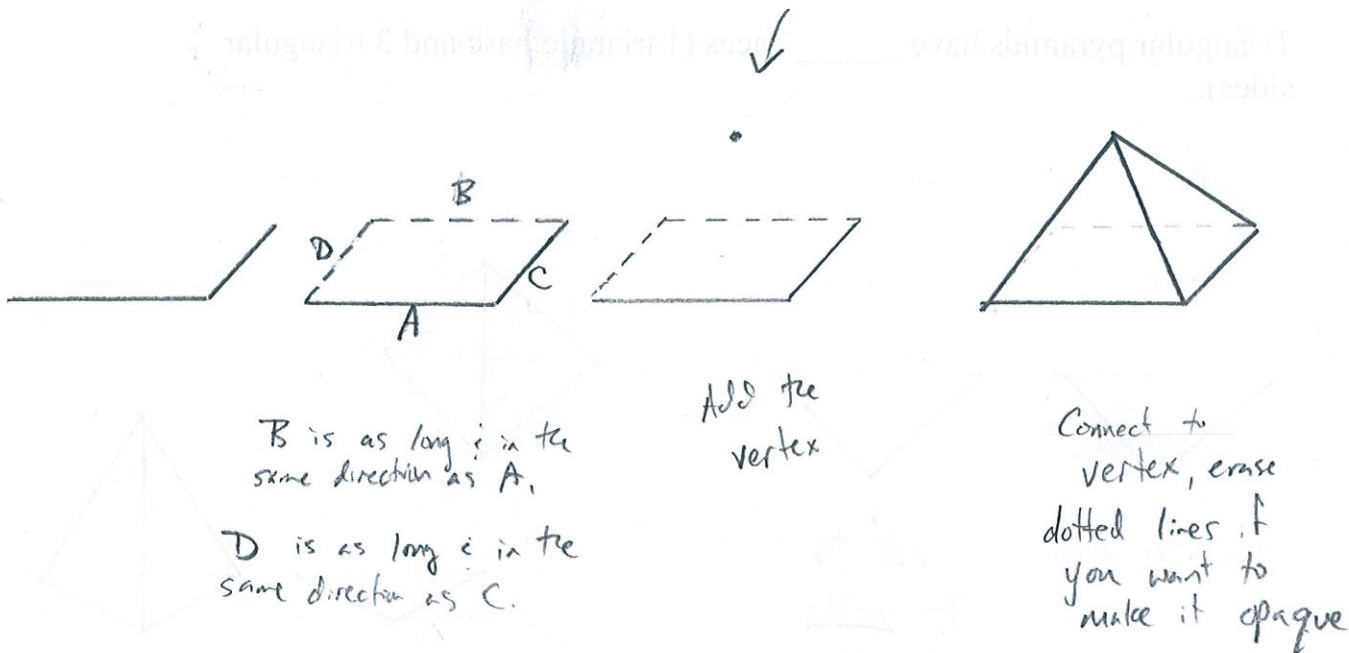


The circled points fold up to form the

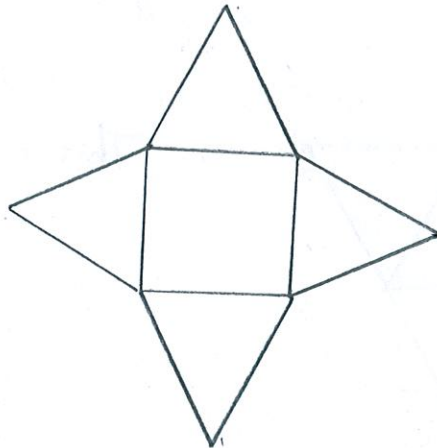
This is called the _____

Tr. force, Zelda players?

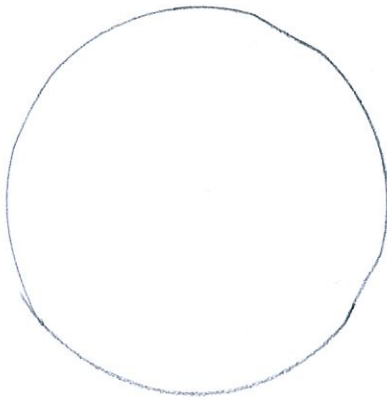
Rectangular pyramids have _____ faces (1 rectangle base and 4 triangular sides).



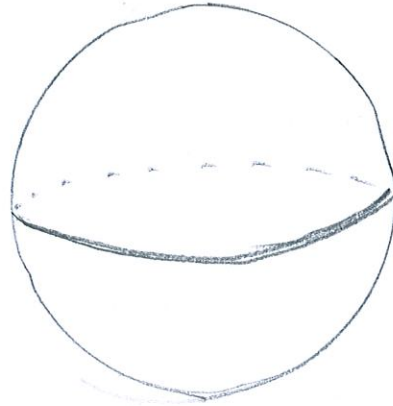
If you unfolded a rectangular pyramid, it would look like this:



A sphere is a perfectly round 3-D shape. Any point on the sphere is exactly the same distance from the center as every other point. Balls and globes are spheres.



Trace something round.

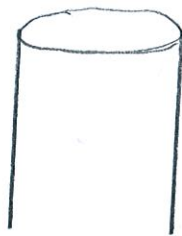


Add a curved line
; a curved dotted line
around the middle.

A cylinder is a 3-D shape with two circular bases and a single rectangular side wrapped around it. Cans are cylinders.



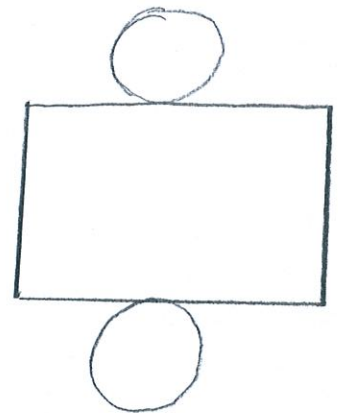
Draw an oval



Add two straight sides



Add a curved bottom line &
a curved dotted line.



A net of
a cylinder.