**Hanging Off-Set**

*In this activity you will need to cut a pipe to fit a hanging offset using what you have learned about special right triangles*

Your group will need to find the lengths of 3 pipes to fit the hanging off set pipe settings all the walls.

1) Take all of the measurements you need for the 45 degree & 60 degree off set; make sure you include the actual setting (keeping in mind the pipe will in the middle of the setting)

2) Find the distance for the offset using special right triangles in simplest radical form.

3) Using the measurements of the settings and the distance from step 2, find the length of the pipe you need to cut.

4) Cut the pipe and test your fitting.

5) Repeat until all of the pipes have been fitted.