

Calculate the volume.
Give your answer in terms of π

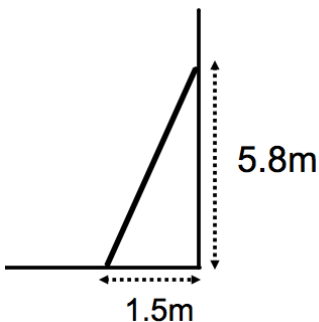
Expand and simplify $6(w + 3) - 2(w - 5)$

$$6w + 18 - 2w - 10$$

$$= 4w + 8$$

Can you spot any mistakes?

Calculate the density of a piece of wood with a mass of 80g and a volume of 90cm^3



A ladder is placed against a wall.
To be safe, it must be inclined at between 70° and 80° to the ground.

Is the ladder safe?

Calculate the length of the ladder.