Surface Area 5 - Nets and Surface Area
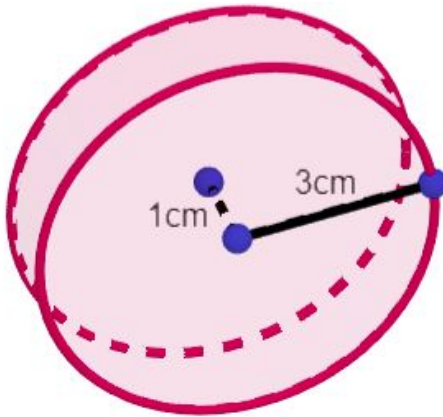
Draw <u>proportional</u> nets for the following shapes. Appropriate measurements should be included for each side-length, with hash marks to indicate equal side-lengths. Then, compute the surface area of each shape to one decimal place. You will have to use the Pythagorean Theorem.
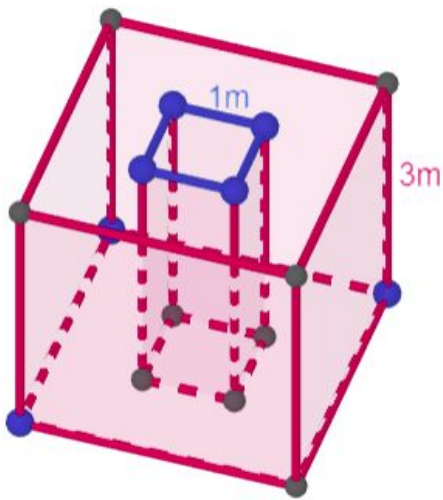(cylinder)

3cm

1cm

(right triangular prism) Find the missing side-length!
Make sure you have **right** triangles!

2m

2m

3m
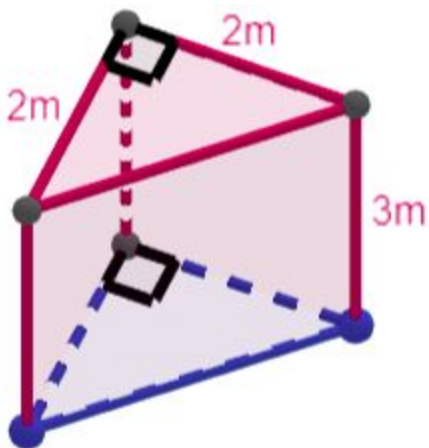
A 3m cube has had 1m square cut in the centre of one of its faces and punched straight through to the opposite side. Determine the surface area of the new 3D shape with the square prism-shaped hole.

1m

3m

(pentagonal prism) Note that this is not a regular pentagon, but the two *slanted* side-lengths are equal.

2cm

1cm

3cm

3cm