



Surface Area of Triangular Prisms

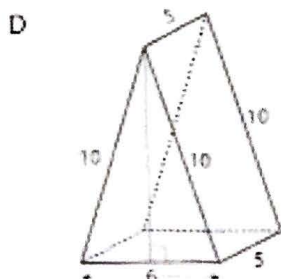
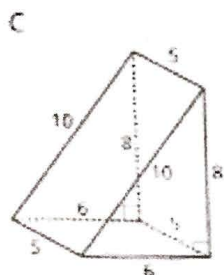
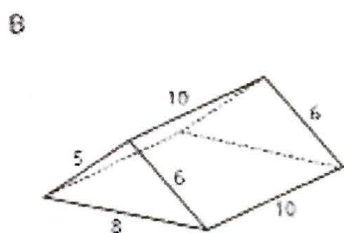
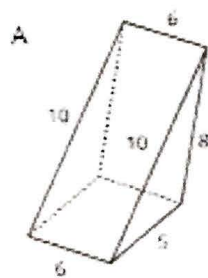
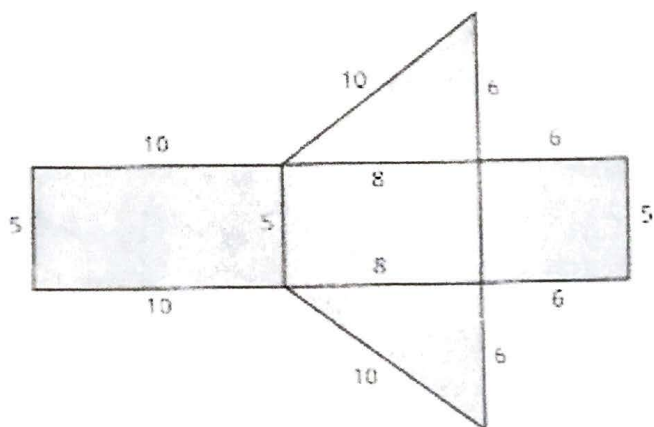
Accel

- 1) In this net, the two triangles are right triangles. All quadrilaterals are rectangles.

What is its surface area in square units?

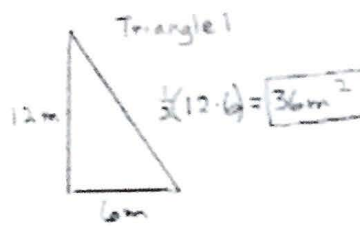
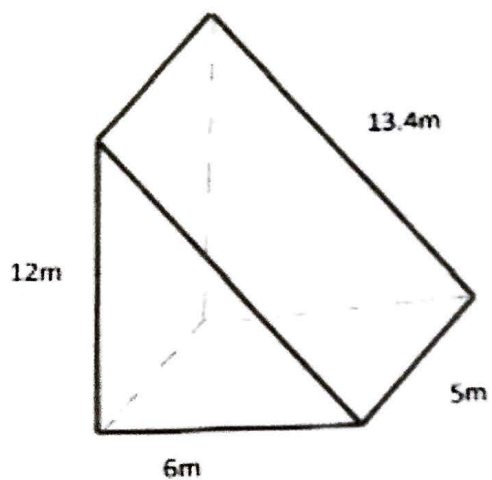
Show your reasoning.

Total Surface Area = _____



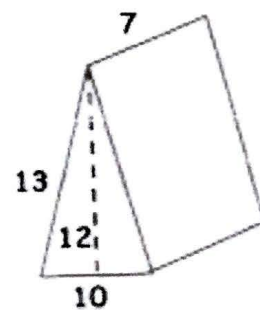
- 2) If the net (above) is assembled which of the following polyhedra would it make? Circle the correct figure.

- 3) Draw the 5 faces for this triangular prism (the first one is done for you) then, calculate the area of each of the 5 faces and add them to find the total surface area for this prism.



Total Surface Area =

- 4) Calculate the surface Area of this prism. All lengths are in cm.



- 5) A triangular prism has a triangular end with a base of 5.25 inches and a height of 4.3 inches. The length of each side is 8.1 inches and the width of each side is 6.75 inches. What is the surface area of the prism?

Do not round #s

a) Make a sketch of the triangular prism here and label the sides using the lengths and height.	b) Find the area of each of the 5 faces: Rectangle 1 Rectangle 2 Rectangle 3 Triangles (2)
c) Total Surface Area =	

6) **Lookback at Rectangular Prisms:**

A cube has a surface area of 216 cm squared. What is the area of each of its faces?