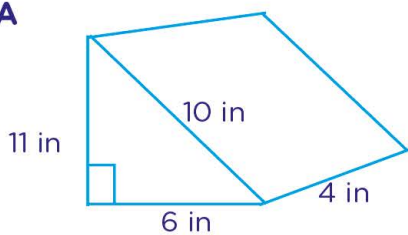


Name: Class:

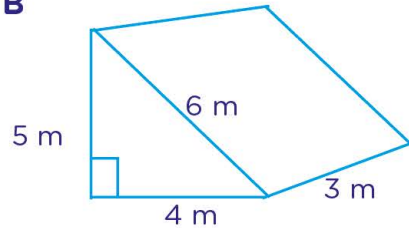
Surface area of triangular prisms

What is the surface area of the figure below?

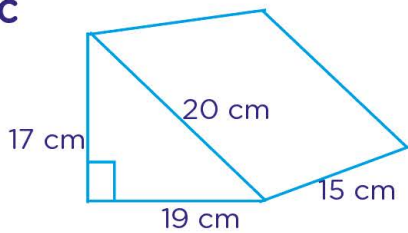
A



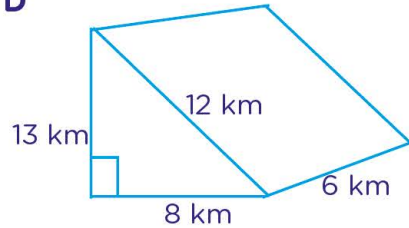
B



C



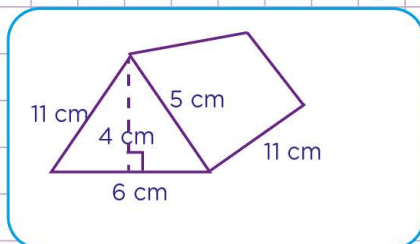
D

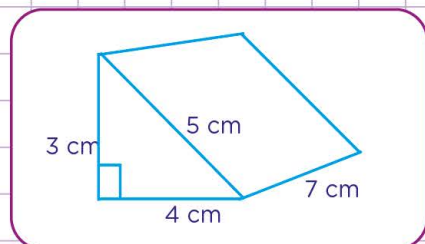


What is the surface area of the figures below?

Calculate on rough work piece of paper and write your answers.

$$SA = bh + l(s_1 + s_2 + s_3)$$

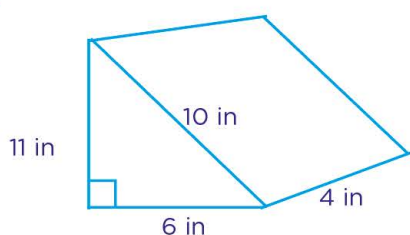




Name: Class:

Surface area of triangular prisms

What is the surface area of the figure below?



$$SA = 2 \triangle + 3 \square$$

Firstly, identify the different faces of the prism.

→ It has 2 triangular faces and 3 rectangular faces.

Secondly, find the area of each face.

Finally, add the area of the 5 faces to get the surface area.



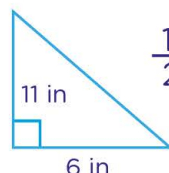
11 in
Area = length x width
Area = $4 \times 11 = 44 \text{ in}^2$



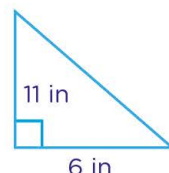
10 in
Area = length x width
Area = $4 \times 10 = 40 \text{ in}^2$



6 in
Area = length x width
Area = $4 \times 6 = 24 \text{ in}^2$



$\frac{1}{2} \times 11 \times 6$
Area = 33 in^2



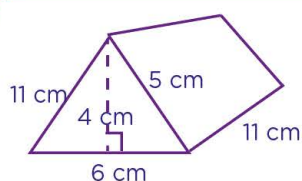
$\frac{1}{2} \times 11 \times 6$
Area = 33 in^2

Surface area of prism = $(44 + 40 + 24 + 33 + 33) \text{ in}^2 = 174 \text{ in}^2$

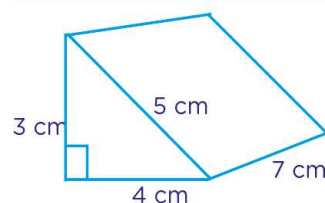
So, the surface area is 174 square inches.

What is the surface area of the figures below?

Calculate on rough work piece of paper and write your answers.



266 square centimeters.



96 square centimeters.