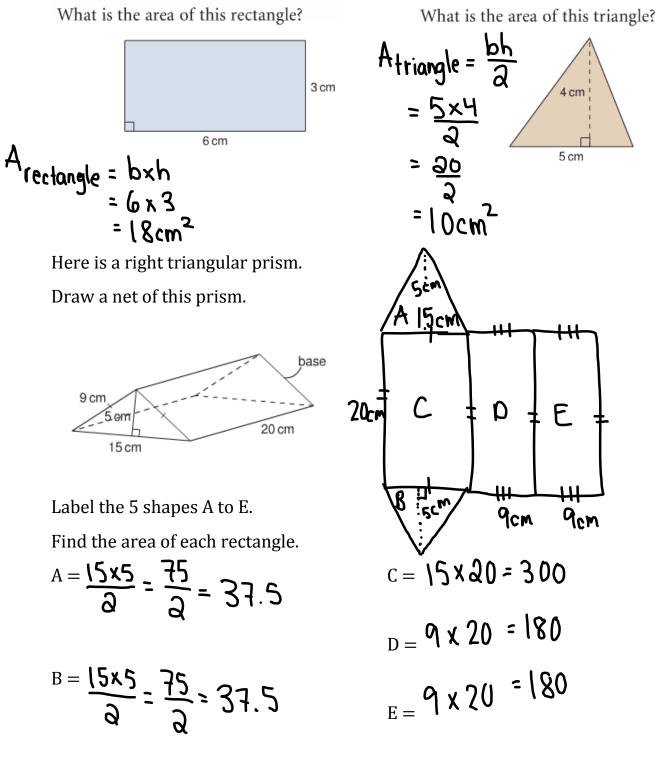
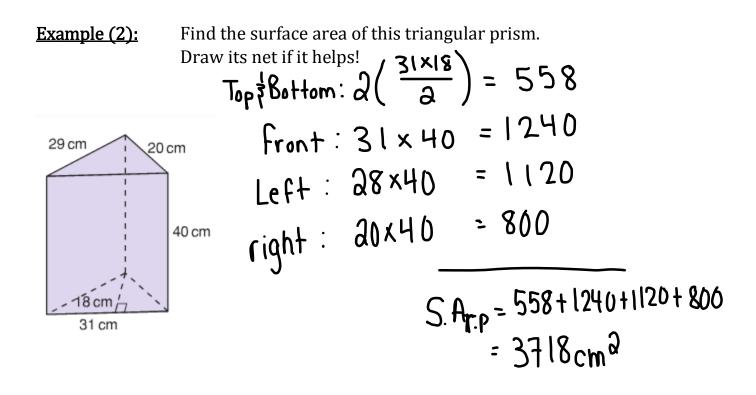
Unit 4: Measuring Prisms and Cylinders



<u>4.4 Surface Area of a Right Triangular Prism – Notes</u>



The surface area of the triangular prims is the sum of the 5 areas. S. A $_{T.P.} = 37.5 + 37.5 + 300 + 180 + 180 = 735 \text{ cm}^2$



Example (3): A wooden doorstop is a triangular prism. It is to be painted. The bottom rectangular face is covered with rubber and will not be painted. Find the total surface area to be painted.

16.7 cm 5.0 cm 8.9 cm	Front Back: $d(-a) = 71.5$ right: $5 \times 8.9 = 44.5$ top: $16.7 \times 8.9 = 148.63$
15.9 cm	S.A _{TP} = $79.5 + 44.5 + 148.63$
	$c_{a,o}$

2772.63 cm²