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4.4 Surface Area of a Right Triangular Prism - Worksheet
$6 \times 8-24$. Find the surface area of each triangular prism.

$S . A=24+24+120+150+90$
$=288 \mathrm{~cm}^{2}$

b)

$$
\begin{aligned}
& =672 \mathrm{~cm}^{2}
\end{aligned}
$$

2. The length of a triangular prism is 5 cm . The side lengths of each triangular face are 5 cm , 5 cm , and 6 cm . The height of each triangular face is 4 cm .
Find the surface area of the triangular prism.

$S . A=30+25+25+12+12$
$=104 \mathrm{~cm}^{2}$
3. A triangular prism has a right isosceles triangle as its base. The base of the triangle is 10 cm and its height is 10 cm . The length of the prism is also 10 cm . Sketch the prism and find its surface area.

$S . A=100+100+141+50+50$
$=441 \mathrm{~cm}^{2}$
4. A triangle has side lengths $10 \mathrm{~mm}, 24 \mathrm{~mm}, 26 \mathrm{~mm}$. What kind of triangle is this?

Find the surface area of the corresponding prism with length:
a) 10 cm
b) 25 cm

