Name:

## Surface Area 2 - Nets and Surface Area

Draw proportional 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 dec
(triangular prism)
?

$$
\begin{aligned}
S A & =2 A_{\nabla}+\text { each } \square \\
& =2\left(\frac{3 \mathrm{~cm} \cdot 4 \mathrm{~cm}}{2}\right)+(2 \mathrm{~cm})(3 \mathrm{~cm})+(2 \mathrm{~cm})(4 \mathrm{~cm})+(2 \mathrm{~cm})(5 \mathrm{~cm}) \\
& =12+6+8+10 \\
& =\underbrace{36 \mathrm{~cm}^{2} \quad \text { View the } 3 \text { as }}_{\text {One long one! }} \text { OR }
\end{aligned}
$$

(rectangular prism) Label all sides properly!


$$
S A=2 \text { times each of the }
$$

different reitangks

$$
=2(1.5 \mathrm{~cm} \cdot 3 \mathrm{~cm})+2(1.5 \mathrm{~cm} \cdot 4 \mathrm{~cm})+2(3 \mathrm{~cm} \cdot 4 \mathrm{~cm})
$$

$$
=9 \mathrm{~cm}^{2}+12 \mathrm{~cm}^{2}+24 \mathrm{~cm}^{2}
$$

$$
=45 \mathrm{~cm}^{2}
$$



