

Review

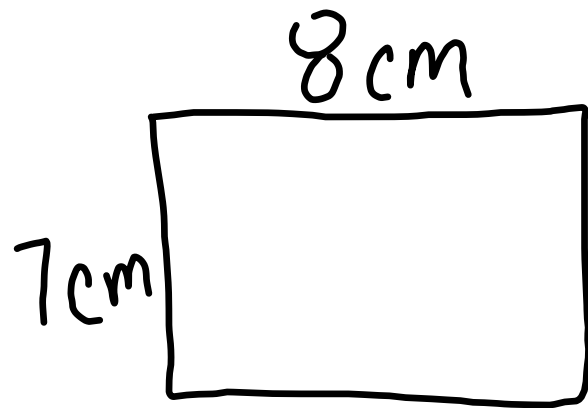
4/24/07

$$A_R = b \cdot h$$

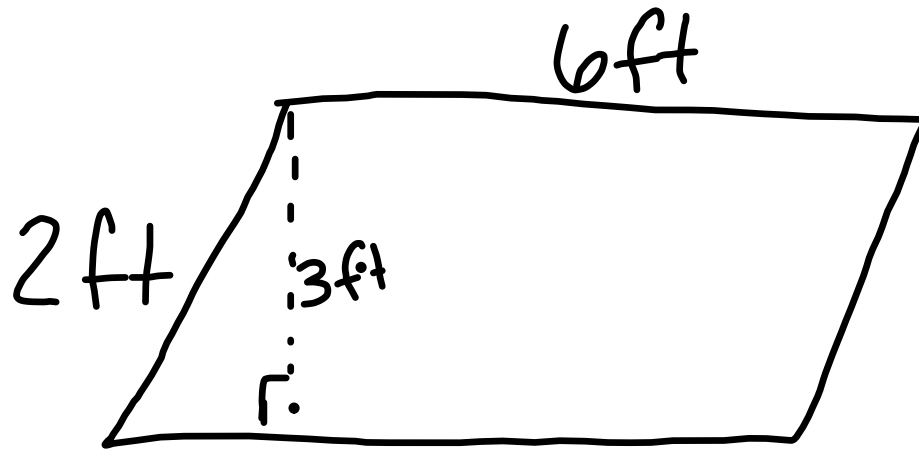
$$A_P = b \cdot h$$

$$A_T = \frac{1}{2} b \cdot h$$

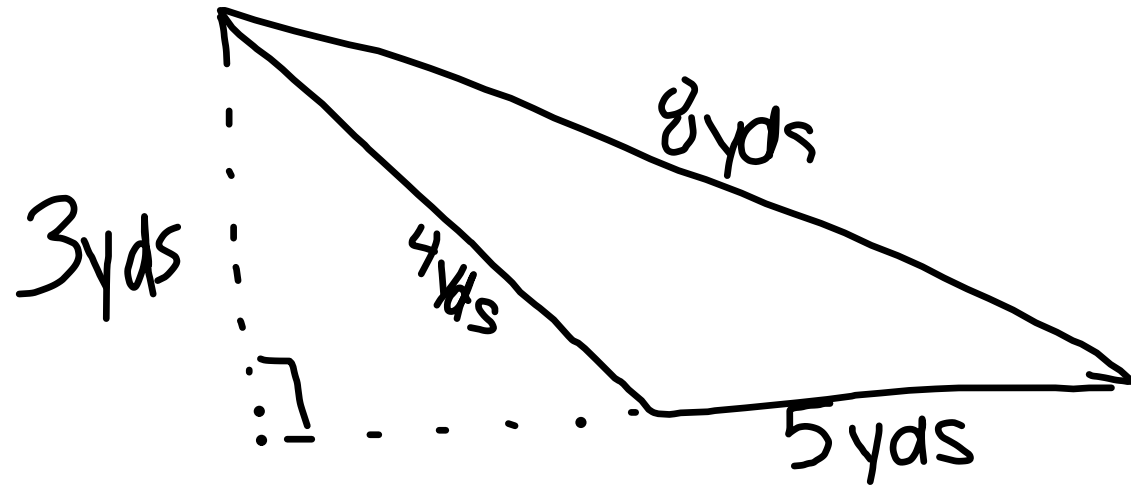
height always
perpendicular to
the base



$$\begin{aligned} A_R &= b \cdot h \\ &= 7\text{cm} \cdot 8\text{cm} \\ &= \underline{\underline{56\text{cm}^2}} \end{aligned}$$

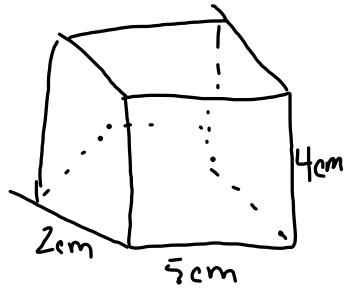


$$\begin{aligned} A_p &= b \cdot h \\ &= 6\text{ft} \cdot 3\text{ft} \\ &= \underline{\underline{18\text{ft}^2}} \end{aligned}$$



$$\begin{aligned}
 A_T &= \frac{1}{2} b \cdot h \\
 &= \left(\frac{1}{2}\right) 5 \text{ yds} \cdot 3 \text{ yds} \\
 &= \left(\frac{1}{2}\right) 15 \\
 &= \underline{\underline{7.5 \text{ yds}^2}}
 \end{aligned}$$

Surface area: the sum of ~~all sides~~
the areas of the
sides of a 3-D
Shape.



$A_{\text{Top} \& \text{bottom}}$

$A_{\text{Side} \& \text{side}}$

$A_{\text{Front} \& \text{back}}$

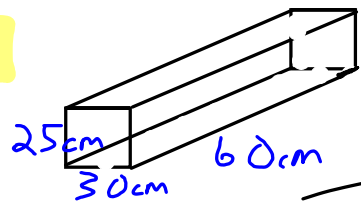
$$A_{\text{Top} \& \text{bottom}} = 5\text{cm} \cdot 2\text{cm} = \underline{10\text{cm}^2} : A_{\text{bottom}}$$

$$A_{\text{side}} = 4\text{cm} \cdot 2\text{cm} = \underline{8\text{cm}^2} : A_{\text{side}}$$

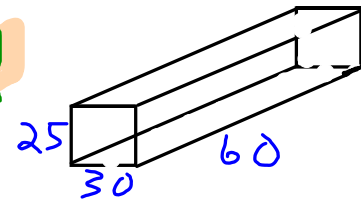
$$A_{\text{front}} = 4\text{cm} \cdot 5\text{cm} = \underline{20\text{cm}^2} + A_{\text{back}}$$

$$10\text{cm}^2 + 10\text{cm}^2 + 8\text{cm}^2 + 8\text{cm}^2 + 20\text{cm}^2 = 20\text{cm}^2$$

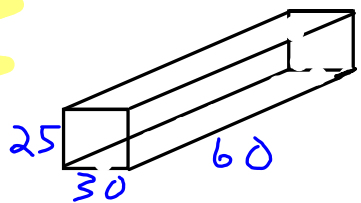
$$= \underline{\underline{76\text{cm}^2}}$$



Front + Back 



Sides 



Top + Bottom

$$A_{SA} = F + B + S + S + T + B$$
$$=$$

O.T.L

Pg 249

Surface areas.

#13, 14, 15