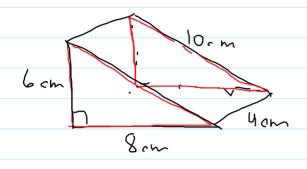
## 1.4 Surface Areas of Other Composite Objects

February 18, 2015 10:00 AM

To find the (SA) of a right thangular prism, add the areas of its 5 faces



# there are 2 thangular faces that are congruent

$$= \left(\frac{1}{2} \cdot 8 \cdot 6\right) 2$$

 $SA = \left(\frac{1}{2}bh\right)2$ 

$$= (1.8-6)$$
  
=  $48 (m^2)$ 

$$= 10 \times 4$$
  
= 40 cm<sup>2</sup>

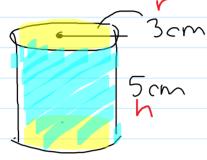
$$= 6 \times 4$$
  
= 24cm<sup>2</sup>

$$= 8x4$$
  
= 32cm<sup>2</sup>

## SA = bh + 2ls + lb

EX#1

Calculate SA of a right cylinder



$$=2\pi 3^{2}+2\pi 35$$

$$= 5655 + 9425$$

10

Find the SA of this composite object



$$= 2\left(\frac{1}{2}bh\right)$$

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$$= 2\left(\frac{1}{2}bh\right)$$

= L(ILY)10 = 248 cm² + 144 cm2 - 48 cm² 344 cm2 144 cm 2