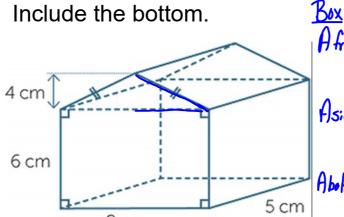
Find the surface area of this model house.



= 40cm²

Atriangle = 
$$\frac{6h}{2} \times 2$$
 4

=  $(8)(4) \times 2$   $(2 = 0^2 + 6)$ 

=  $32 \text{ cm}^2$  =  $16 + 16$ 

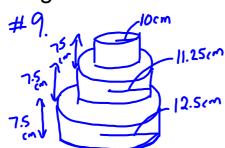
=  $32$ 
 $\times = \sqrt{32}$ 

=  $57 \text{ cm}$ 

8 cm

## Problems with the homework?

Page 41 8 & 9



A top = 
$$2\pi r^2 + 2\pi rh$$
  
=  $2\pi (10)^2 + 2\pi (10)(7.5)$   
=  $200\pi + 150\pi$   
Amiddle =  $2\pi r^2 + 2\pi rh$   
=  $2\pi (11.25)^2 + 2\pi (11.25)(7.5)$   
=  $253.125\pi + 168.75\pi$   
=  $421.875\pi$ 

$$A total = 350 \text{ it} + 421.875 \text{ it} + 500 \text{ it} - 609.375 \text{ it} = 62.5 \text{ it} = 2081.3 \text{ cm}^2$$

## **CONCEPT REINFORCEMENT:**

MMS9

PAGE 40: #3, 4 and 5

PAGE 41: #6 (count bottom), 8 (no bottom but

have to paint overhang) and 9 (no

bottoms)

PAGE 42: #10, 11 (no bottom) and 13

PAGE 43: #14 (no bottom) and 15 (the

cylinder is solid, not hollow)

Homework: Page 42 11 & 13

Find the surface area.

