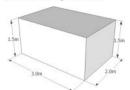


C=3=48.02"

FMPC10

Updated June 2018

Find the surface area of the rectangular prism below to the nearest square metre.



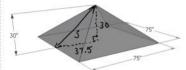
SA = 2(hl + lw + hw)

$$SA = 2[(1.5 \times 3) + (3 \times 2) + (1.5 \times 2)]$$

SA = 2[4.5 + 6 + 3]

 $SA = 27 m^2$

Find the surface area of the square pyramid below to the nearest ten square inches...



 $A = 2bs + b^2$ $A = 2(75)(s) + (75)^2$ Need 's'

Use
$$a^2 + b^2 = c^2$$

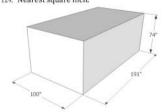
 $37.5^2 + 30^2 = s^2$
 $s = 48.0$

 $A = 2(75)(48.0) + (75)^2$

 $A \cong 12830 \,\mathrm{sq}$ in

Calculate the surface area of the following figures. Answers should be given as indicated.

129. Nearest square inch.

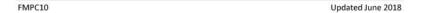




A=TTV=+TTr5 =TT(46.53)+TT(46.5)(5)

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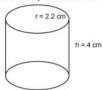


Calculate the surface area of the following figures. Answers should be given as indicated.

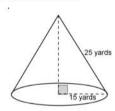
131. Nearest square millimetre.



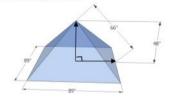
132. Nearest square centimetre.



133. Nearest square <u>foot</u>.



134. Nearest square foot.



135. Calculate the surface area of a cone with a height of 10 cm and a base diameter of 12 cm. Answer to the nearest square centimetre. 136. A cone has a base radius of 15 inches and a surface area of 1650 square inches. Find the <u>slant</u> height of the cone to the nearest inch.

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