$$
c=s=48.02^{\prime \prime}
$$

FMPC10
Updated June 2018

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


$$
\begin{aligned}
& S A=2(h l+l w+h w) \\
& S A=2[(1.5 \times 3)+(3 \times 2)+(1.5 \times 2)] \\
& S A=2[4.5+6+3]
\end{aligned}
$$

$S A=27 \mathrm{~m}^{2}$
Find the surface area of the square pyramid below to the nearest ten square inches..


$$
\begin{aligned}
& A=2(75)(48.0)+(75)^{2} \\
& A \cong 12830 s q \text { in }
\end{aligned}
$$

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

130. Nearest square inch.


$$
\begin{aligned}
A & =\pi r^{2}+\pi r s \\
& =\pi\left(46.5^{2}\right)+\pi(46.5)(s)
\end{aligned}
$$

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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 foot. | 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 slant height of the cone to the nearest inch. |

[^0]


Explain 2 ends $A^{\prime}=l \times W^{-}=\left(85^{\circ \prime} \times 60.5^{\prime}\right) \times \alpha^{87.5 \mathrm{sq} \mathrm{ft}}$ to buy?


$$
\begin{aligned}
& 2 \times A=10285 \mathrm{in}^{2} \\
& 1 \times B=9520 \mathrm{in}^{2} \\
& 2 \times C=10846.7 \mathrm{in}^{2} \leftarrow \\
& D=11081.96 \mathrm{in}^{2}< \\
& \text { Total SA }=41734 \mathrm{in}^{2}
\end{aligned}
$$

139. One quart of paint (a small can) covers



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