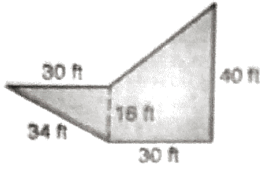


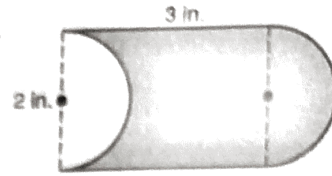
Composite Figures

Find the shaded area. Round to the nearest tenth if necessary.

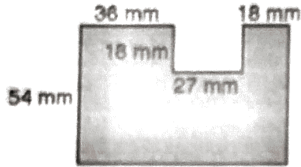
1.



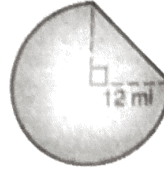
2.



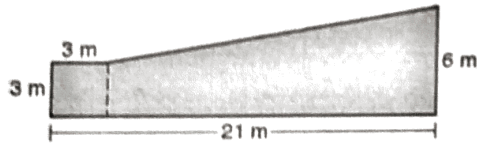
3.



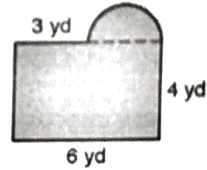
4.



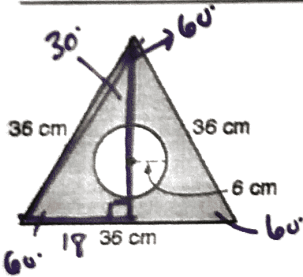
5.



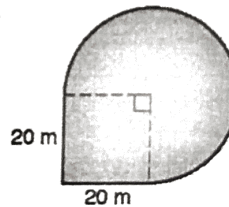
6.



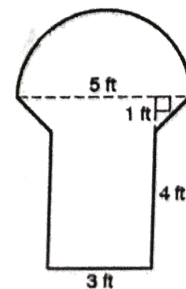
7.



8.



9. Osman broke the unusually shaped picture window in his parents' living room. The figure shows the dimensions of the window. Replacement glass costs \$8 per square foot, and there will be a \$35 installation fee. Find the cost to replace the window to the nearest cent.



Name _____

Key

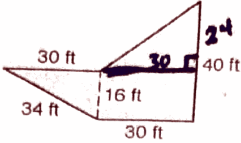
Date _____

Class _____

Composite Figures

Find the shaded area. Round to the nearest tenth if necessary.

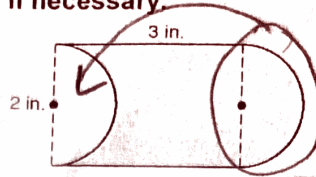
1.



$$\frac{1}{2}(16)(30) + \frac{1}{2}(24)(30) + 16(30)$$

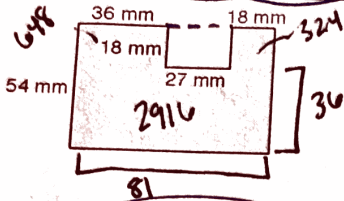
$$1080 \text{ ft}^2$$

2.



$$6 \text{ in}^2$$

3.



$$3888 \text{ mm}^2$$

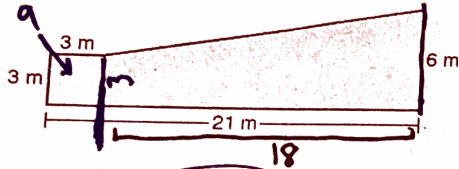
4.



$$\frac{3}{4}\pi(12)^2 + \frac{1}{2}(12)(12)$$

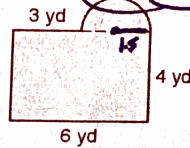
$$411.3 \text{ mi}^2$$

5.



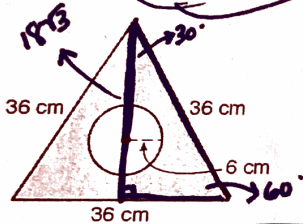
$$90 \text{ m}^2$$

6.



$$27.5 \text{ yd}^2$$

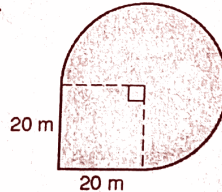
7.



$$\frac{1}{2}(36)(36) - \pi(6)^2$$

$$448.1 \text{ cm}^2$$

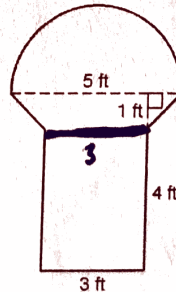
8.



$$\frac{3}{4}\pi(20)^2 + 20(20)$$

$$1342.5 \text{ m}^2$$

9. Osman broke the unusually shaped picture window in his parents' living room. The figure shows the dimensions of the window. Replacement glass costs \$8 per square foot, and there will be a \$35 installation fee. Find the cost to replace the window to the nearest cent.



$$\frac{1}{2}\pi(2.5)^2 + 3(4) + \frac{1}{2}(3+5)(1)$$

$$\$241.54$$