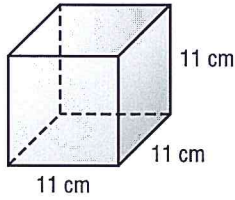


**Test, Form 2B** (continued)

8. What is the surface area of the cube?



F.  $242 \text{ cm}^2$

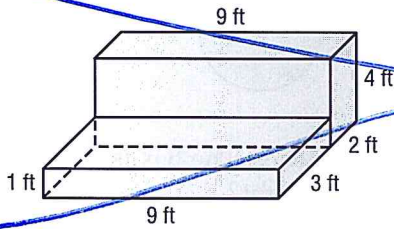
H.  $726 \text{ cm}^2$

G.  $484 \text{ cm}^2$

I.  $1,331 \text{ cm}^2$

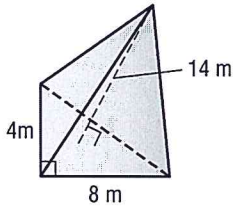
8.     H    

9. Find the surface area and volume of the composite figure.



9. 184 ft<sup>2</sup>; 99 ft<sup>3</sup>

10. What is the volume of the triangular pyramid? Round to the nearest tenth if necessary.

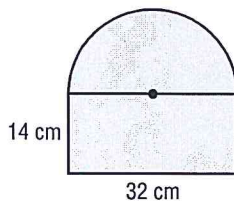


10. 74.7 m<sup>3</sup>

11. What is the best approximation for the area of a semicircle with a diameter of 11.8 feet? Use 3.14 for  $\pi$ .

11. 54.7 ft<sup>2</sup>

12. What is the area of the figure? Round to the nearest tenth if necessary.

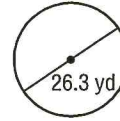


12. 849.9 cm<sup>2</sup>

# Test, Form 2B

Write the letter for the correct answer in the blank at the right of each question.

1. What is the circumference of the circle?  
Use 3.14 for  $\pi$ . Round to the nearest tenth.
- A. 543 yd                      C. 41.3 yd  
B. 82.6 yd                      D. 29.4 yd

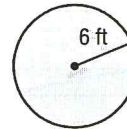


1.     B    

2. To the nearest tenth, what is the circumference of a circular pond with a radius of 14 meters? Use 3.14 for  $\pi$ .
- F. 153.9 m    G. 87.9 m    H. 17.1 m    I. 10.1 m

2.     G    

3. What is the area of the circle? Round to the nearest tenth. Use 3.14 for  $\pi$ .
- A. 18.8 ft<sup>2</sup>                      C. 39.1 ft<sup>2</sup>  
B. 28.3 ft<sup>2</sup>                      D. 113.0 ft<sup>2</sup>

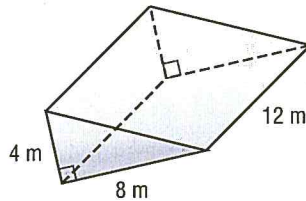


3.     D    

4. A rectangular hat box has a volume of 5,184 cubic inches. The box is 2 feet long by 18 inches wide. What is the hat box's height?
- F. 1 in.    G. 12 in.    H. 72 in.    I. 144 in.

4.     I    

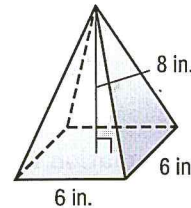
5. What is the volume of the right triangular prism?



- A. 64 m<sup>3</sup>  
B. 128 m<sup>3</sup>  
C. 192 m<sup>3</sup>  
D. 384 m<sup>3</sup>

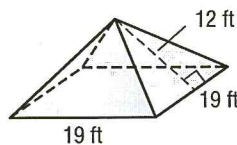
5.     C    

6. What is the volume of the square pyramid?
- F. 64 in<sup>3</sup>                      H. 144 in<sup>3</sup>  
G. 96 in<sup>3</sup>                      I. 288 in<sup>3</sup>



6.     G    

7. What is the surface area of the square pyramid?



- A. 424 ft<sup>2</sup>                      C. 817 ft<sup>2</sup>  
B. 665 ft<sup>2</sup>                      D. 1,444 ft<sup>2</sup>

7.     C