

Name : \_\_\_\_\_

Score : \_\_\_\_\_

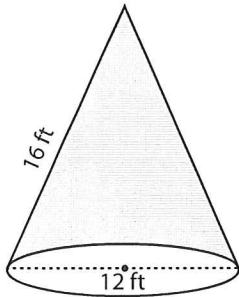
**Answer key**

**Surface Area - Mixed Shapes**

ES1

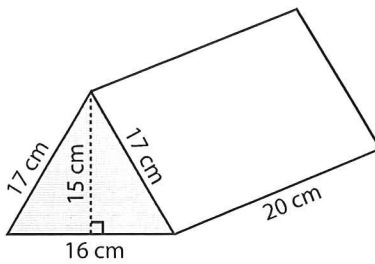
Find the exact surface area of each shape.

1)



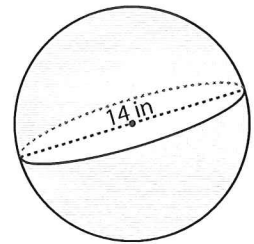
Surface Area =  $132\pi \text{ ft}^2$

2)



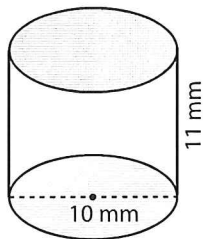
Surface Area =  $1240 \text{ cm}^2$

3)



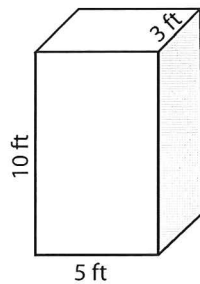
Surface Area =  $196\pi \text{ in}^2$

4)



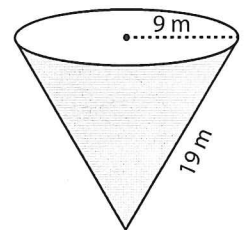
Surface Area =  $160\pi \text{ mm}^2$

5)



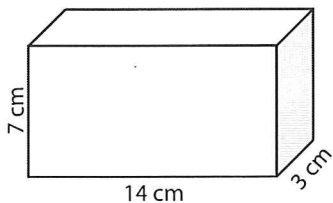
Surface Area =  $190 \text{ ft}^2$

6)



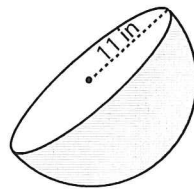
Surface Area =  $252\pi \text{ m}^2$

7)



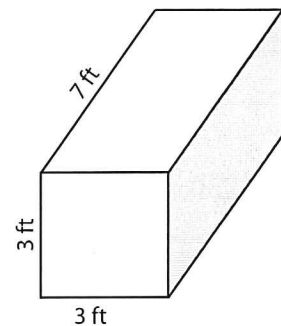
Surface Area =  $322 \text{ cm}^2$

8)



Surface Area =  $363\pi \text{ in}^2$

9)



Surface Area =  $102 \text{ ft}^2$



Name : \_\_\_\_\_

Score : \_\_\_\_\_

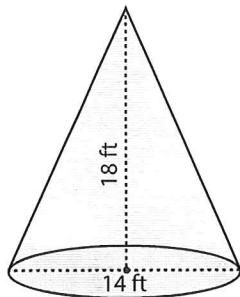
**Answer Key**

**Volume - Mixed Shapes**

ES1

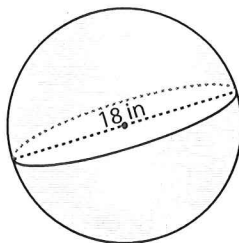
Find the exact volume of each shape.

1)



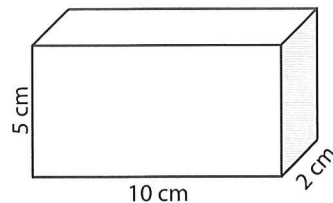
Volume = 294π ft<sup>3</sup>

2)



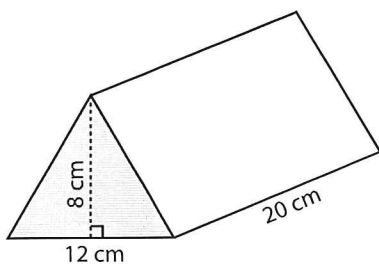
Volume = 972π in<sup>3</sup>

3)



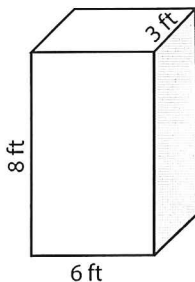
Volume = 100 cm<sup>3</sup>

4)



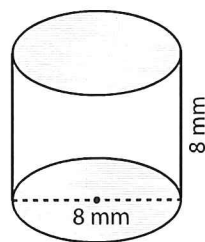
Volume = 960 cm<sup>3</sup>

5)



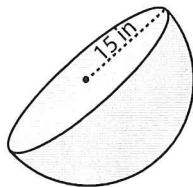
Volume = 144 ft<sup>3</sup>

6)



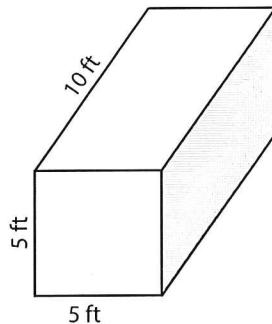
Volume = 128π mm<sup>3</sup>

7)



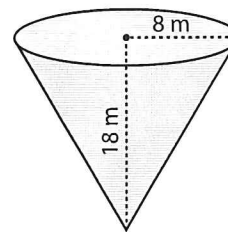
Volume = 2250π in<sup>3</sup>

8)



Volume = 250 ft<sup>3</sup>

9)



Volume = 384π m<sup>3</sup>

