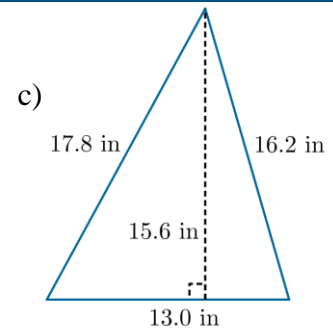
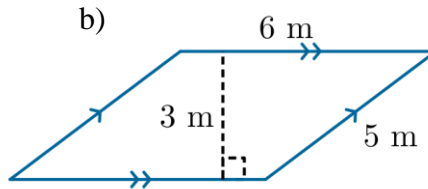
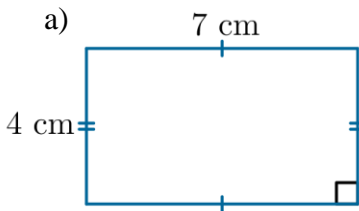


## 5.7 HOMEWORK HANDOUT: PERIMETER & AREA OF COMPOSITE FIGURES

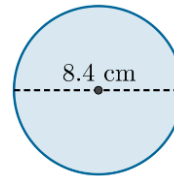
### PART A

1. Determine the perimeter and area of each shape.



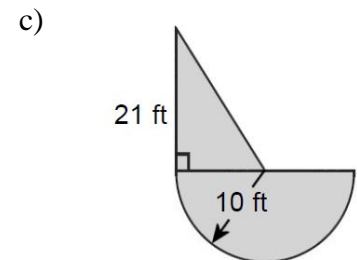
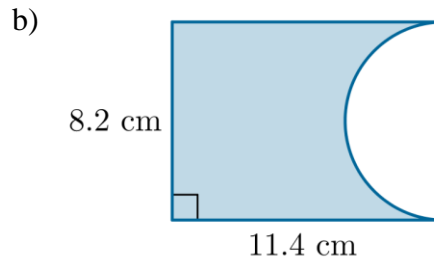
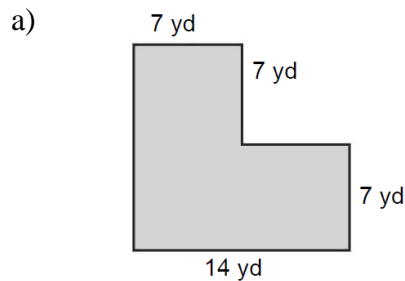
2. Consider the circle shown on the right.

- Determine the circle's radius.
- Calculate the circumference of the circle.
- Find the area of the circle.

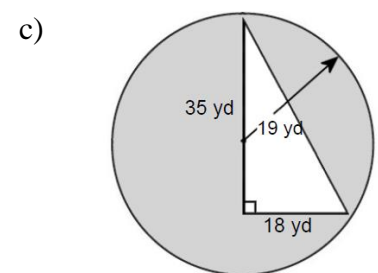
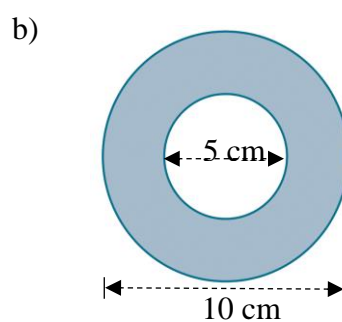
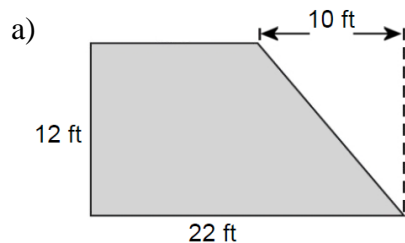


### PART B

3. Find the area and perimeter of the figures shown below. Round to 2 decimal places.

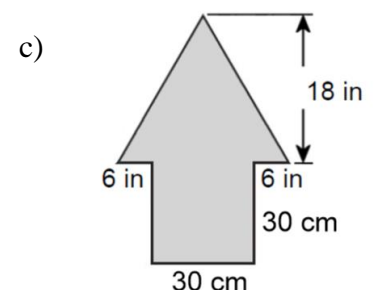
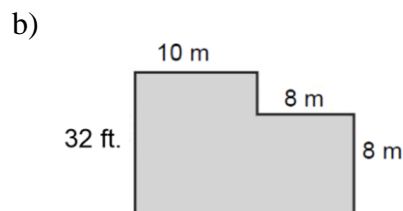
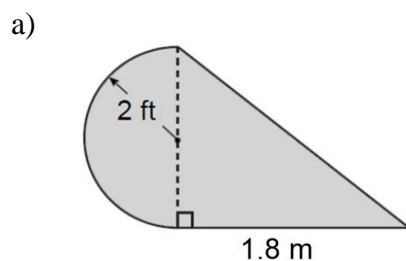


4. Find the area of the shaded region. Round to 2 decimal places.



5. Find the perimeter of the figure shown. Round to 2 decimal places.

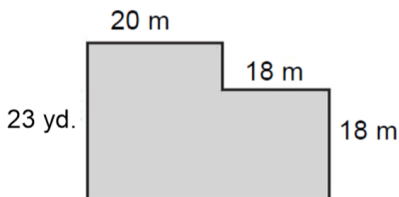
\*\*make sure all lengths are in the same units



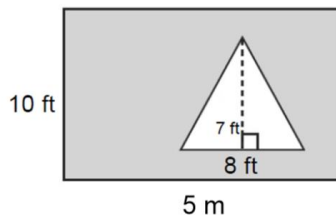
6. Find the area of the shaded region. Round to 2 decimal places.

\*\*make sure all lengths are in the same units

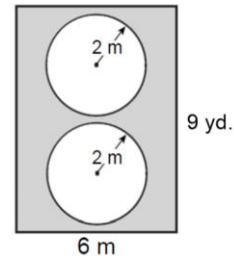
a)



b)



c)



### PART C

7) A rectangle has a length of 12.5 m and an area of 390 m<sup>2</sup>. Determine the width of the rectangle.

8) A square has a perimeter of 152 inches. Determine the area of the square.

9) A square has an area of 295.84 cm<sup>2</sup>. Find the perimeter of the square.

10) A circle has an area of 3176.9 mm<sup>2</sup>. Determine the circle's radius to the nearest tenth of a millimetre.

### ANSWERS

- 1) a) 22 cm, 28 cm<sup>2</sup>    b) 22 m, 18 m<sup>2</sup>    c) 47.0 in, 101.4 in<sup>2</sup>  
 2) a) 4.2 cm    b) 26.4 cm    c) 55.4 cm<sup>2</sup>  
 3) a) perimeter= 56 yd. , area = 147 yd. <sup>2</sup>    b) Perimeter 43.88cm, Area= 67.07 cm<sup>2</sup>  
 c) perimeter = 85.68 ft., area = 262.08 ft<sup>2</sup>  
 4) a) 204 ft.<sup>2</sup>    b) 58.9 cm<sup>2</sup>    c) 8.19.11 yd.<sup>2</sup>  
 5) a) 19.33 ft.    b) 55.5 m    c) 90.59 in.  
 6) a) 744 m<sup>2</sup>    b) 136 sq. ft.    c) 24.25 m<sup>2</sup>  
 7) 31.2 m    8) 1444 in<sup>2</sup>    9) 68.8 cm    10) 31.8 mm