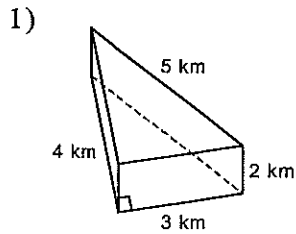


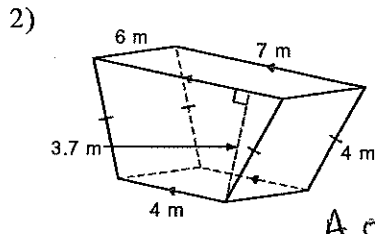
Surface Area of Prisms & Cylinders WS

Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.



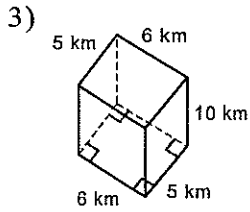
$A_{\text{of } \triangle} = \left(\frac{4 \cdot 3}{2}\right) 2 = 12 \text{ km}^2$
 $A_{\text{of } \square 1} = 3 \cdot 2 = 6 \text{ km}^2$
 $A_{\text{of } \square 2} = 2 \cdot 4 = 8 \text{ km}^2$
 $A_{\text{of } \square 3} = 5 \cdot 2 = 10 \text{ km}^2 +$

36 km^2



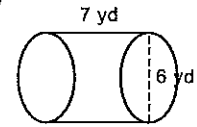
$A_{\text{of } \triangle} = \left(\frac{7+4}{2}\right) 3.7 (\times 2) = 40.7$
 $A_{\text{of } \square 1} = 4 \cdot 6 (\times 2) = 48$
 $A_{\text{of } \square 2} = 7 \cdot 6 = 42$
 $A_{\text{of } \square 3} = 4 \cdot 6 = 24 +$

154.7 m^2



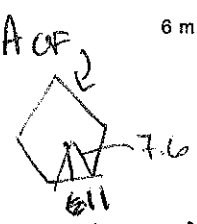
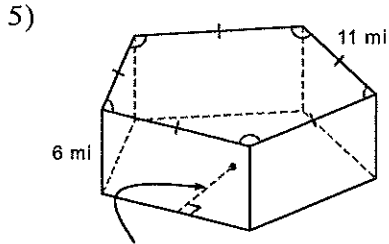
$A_{\text{of } \square 1} = (5 \cdot 6) 2$
 $A_{\text{of } \square 2} = (10 \cdot 5) 2$
 $A_{\text{of } \square 3} = (6 \cdot 10) 2 +$

280 km^2



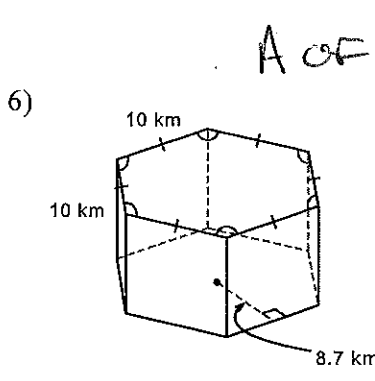
$A_{\text{of } \circ} = 3^2 \pi = (28.26) 7$
 $A_{\text{of } \square} = 7$

188.4 yd^2



$(\frac{7.6 \cdot 7.6}{2}) 5 = (28.9) 5 = 144.5$
 $A_{\text{of } \square} = 6 \cdot 11 = (66) 5 = 330$

748 mi^2

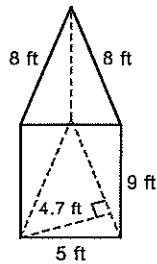


$A_{\text{of } \triangle} = \left(\frac{8.7+10}{2}\right) 6 = (26.1) 2 = 52.2$

$A_{\text{of } \square} = (10 \cdot 10) 6 = 600$

1122 km^2

7)



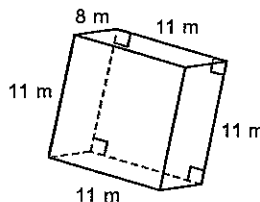
$$A \text{ of } \triangle = \left(\frac{4.7 \cdot 8}{2}\right) 2 = 37.6$$

$$A \text{ of } \square 1 = 5 \cdot 9 = 45$$

$$A \text{ of } \square 2 = (8 \cdot 9) 2 = 144$$

$$\boxed{226.6 \text{ ft}^2}$$

8)

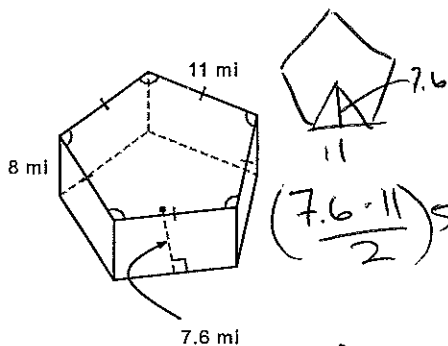


$$A \text{ of } \square 1 = (11 \cdot 8) 4 = 352$$

$$A \text{ of } \square 2 = (11 \cdot 11) 2 = 242$$

$$\boxed{594 \text{ m}^2}$$

9)

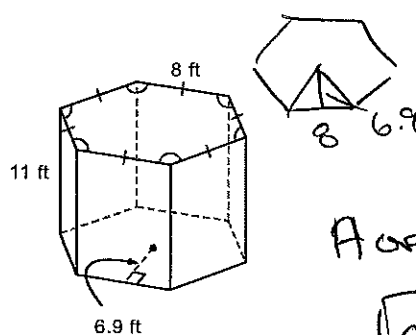


$$\left(\frac{7.6 \cdot 11}{2}\right) 5 = (209) 2 = 418$$

$$A \text{ of } \square = (8 \cdot 11) 5 = 440$$

$$\boxed{858 \text{ mi}^2}$$

10)



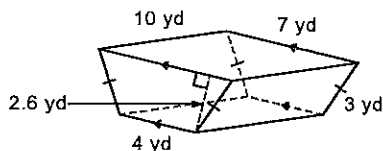
$$\left(\frac{6.9 \cdot 8}{2}\right) 6 = 2(165.6) = 331.2$$

$$331.2$$

$$A \text{ of } \square = (11 \cdot 8) 6 = 528$$

$$\boxed{859.2 \text{ ft}^2}$$

11)



$$A \text{ of } \square = \left(\frac{4+10}{2}\right) 2.6 = (14.3) 2 = 28.6$$

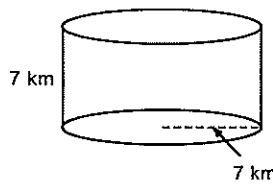
$$A \text{ of } \square 1 = 10 \cdot 7 = 70$$

$$A \text{ of } \square 2 = 3 \cdot 10 = 30$$

$$A \text{ of } \square 3 = 4 \cdot 10 = 40$$

$$\boxed{168.6 \text{ yd}^2}$$

12)



$$A \text{ of } O = 7^2 \pi = 153.86 \times 2 = 307.72$$

$$C = 2\pi 7 = 43.96$$

$$A \text{ of } \square = 43.96 \cdot 7 = 307.72$$

$$\boxed{307.72}$$

$$\boxed{615.44 \text{ km}^2}$$