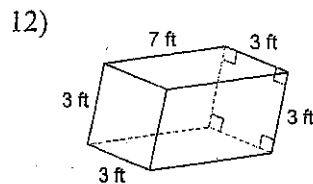
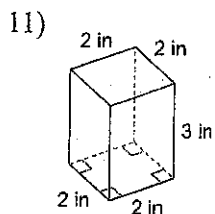
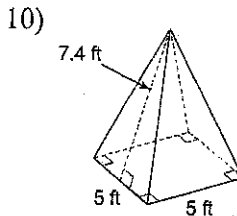
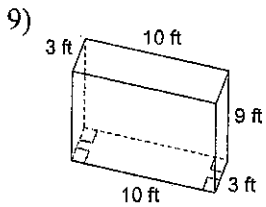
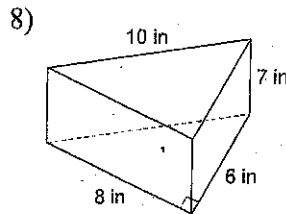
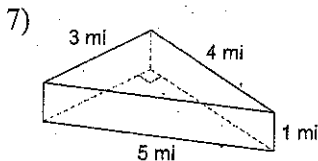
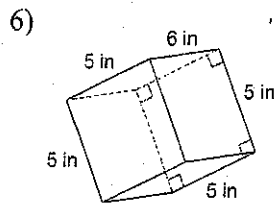
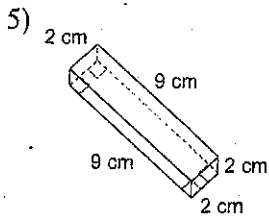
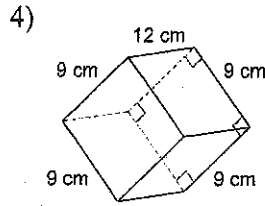
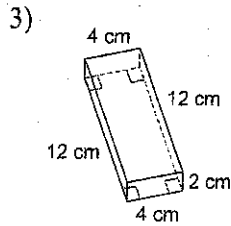
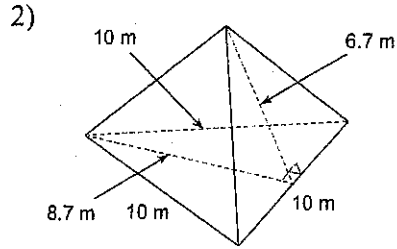
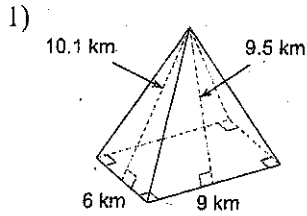
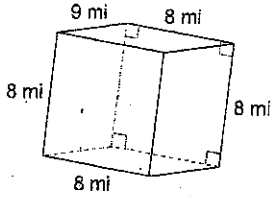


# Surface area/Lateral Area of Prisms and Pyramids

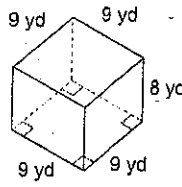
Find the surface area of each figure. Round your answers to the nearest tenth, if necessary.



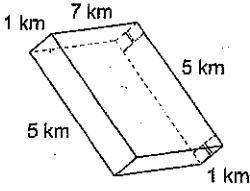
13)



14)

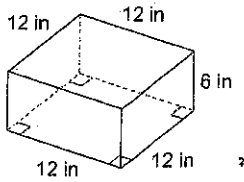


15)

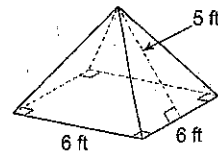


Find the lateral area and surface area of each figure. Round your answers to the nearest tenth, if necessary.

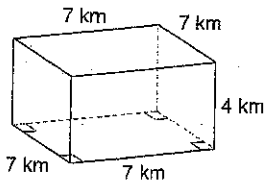
16)



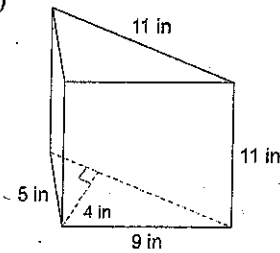
17)



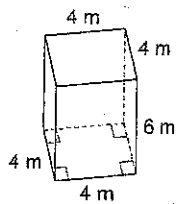
18)



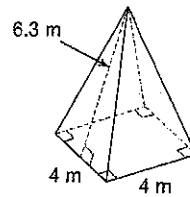
19)



20)



21)



Surface area/Lateral Area of Prisms and Pyramids

Date \_\_\_\_\_

Period \_\_\_\_\_

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

1) **Base**  $6(9) = 54$  **LA**  $\frac{1}{2}(9)(9.5) = 42.75$   
 $2(42.75) = 85.5$   
 $\frac{1}{2}(6)(10.1) = 30.3$   
 $2(30.3) = 60.6$   
 $54 + 85.5 + 60.6 = 200.1$

2) **Base**  $= \frac{1}{2}(10)(8.7)$   
**LA**  $= \frac{1}{2}(6.7)(10)$   
 $100.5$   
 $+ 43.5$   
 $144 \text{ m}^2$

3)  $2(8) = 16$   
 $2(48) = 96$   
 $2(24) = 48$   
 $160 \text{ cm}^2$

4)  $2(108) = 216$   
 $2(81) = 162$   
 $594 \text{ cm}^2$

5)  $2(4) = 8$   
 $2(18) = 36$   
 $2(18) = 36$   
 $80 \text{ cm}^2$

6)  $2(30) = 60$   
 $2(30) = 60$   
 $2(25) = 50$   
 $170 \text{ in}^2$

7)  $\frac{1}{2}(4)(3) = 6$   
 $2(6) = 12$   
 $5(1) = 5$   
 $4(1) = 4$   
 $3(1) = 3$   
 $24 \text{ mi}^2$

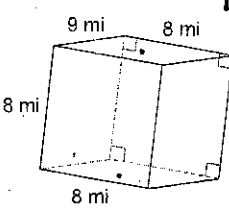
8)  $\frac{1}{2}(8)(6) = 24$   
 $2(24) = 48$   
 $6(7) = 42$   
 $7(8) = 56$   
 $7(10) = 70$   
 $216 \text{ in}^2$

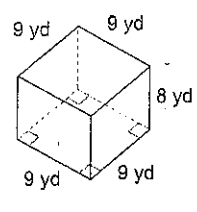
9)  $2(30) = 60$   
 $2(27) = 54$   
 $9(10) = 90$   
 $294 \text{ ft}^2$

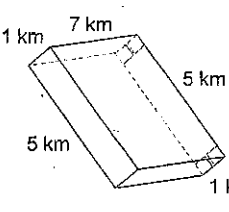
10)  $5(5) = 25$   
 $\frac{1}{2}(5)(7.4) = 18.5$   
 $25 + 74 = 99 \text{ ft}^2$

11) **Base**  $2(4) = 8$   
**sides**  $2(6) = 12$   
**F/B**  $2(6) = 12$   
 $32 \text{ in}^2$

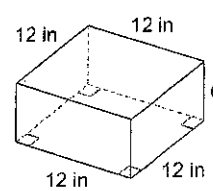
12)  $2(9) = 18$   
 $2(21) = 42$   
 $2(21) = 42$   
 $102 \text{ ft}^2$

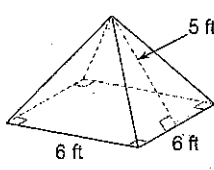
13)   $2(9 \cdot 8) = 144$   
 $2(72) = 144$   
 $2(64) = 128$   
**416 mi<sup>2</sup>**

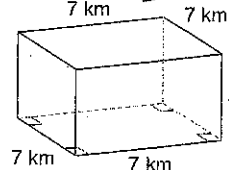
14)   $2(81) = 162$   
 $2(72) = 144$   
 $2(72) = 144$   
**450 yd<sup>2</sup>**

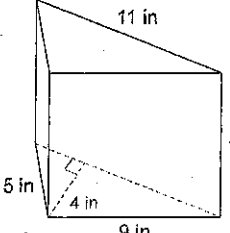
15)   $2(35) = 70$   
 $2(7) = 14$   
 $2(5) = 10$   
**94 km<sup>2</sup>**

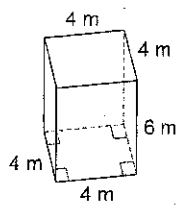
Find the lateral area and surface area of each figure. Round your answers to the nearest tenth, if necessary.

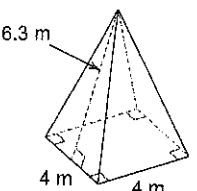
16)   $2(144) = 288$   
 $2(72) = 144$   
 $2(72) = 144$   
**LA = 288 in<sup>2</sup>** **576 in<sup>2</sup>**

17)   $\frac{1}{2}(6)(5) = 15$   
 $4(15) = 60$   
 $6(6) = 36$   
**96 ft<sup>2</sup>**

18)   $2(49) = 98$   
 $2(28) = 56$   
 $2(28) = 56$   
**LA = 112 km<sup>2</sup>** **210 km<sup>2</sup>**

19)   $\frac{1}{2}(4)(11) = 22$   
 $2(22) = 44$   
 $LA = 9(11) = 99$   
 $5(11) = 55$   
 $11(11) = 121$   
**275 in<sup>2</sup>**  
**319 in<sup>2</sup>**

20)   $2(16) = 32$   
 $2(24) = 48$   
 $2(24) = 48$   
**LA = 96 m<sup>2</sup>** **128 m<sup>2</sup>**

21)   $\frac{1}{2}(4)(6.3) = 12.6$   
 $4(12.6) = 50.4$   
 $50.4 + 16 = 66.4$   
**66.4 m<sup>2</sup>**