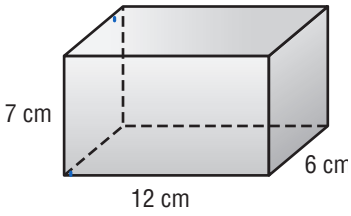
NAME _____ DATE _____ PERIOD _____

Lesson 6 Skills Practice

Surface Area of Prisms

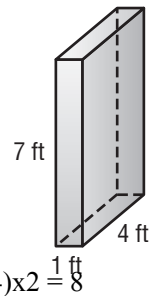
Find the surface area of each prism. Round to the nearest tenth if necessary.

1. $SA - 396cm^2$



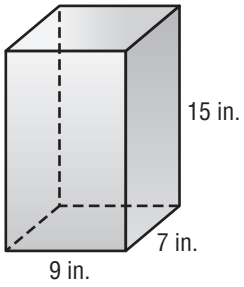
(12 x 6)x2 = 144
(12 x 7)x2 =168
(6 x 7)x2 =84

2. $SA - 78ft^2$



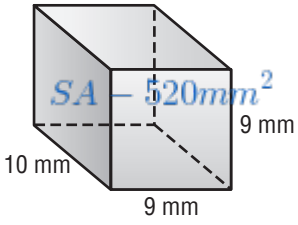
(1 x 4)x2 = 8
(1 x 7)x2 =14
(4 x 7)x2 = 56

3. $SA - 606in^2$



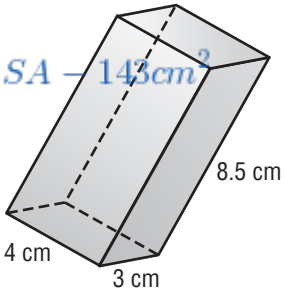
(9 x 7)x2 =126
(7 x 15)x2 =210
(9x15)x2 =270

4.



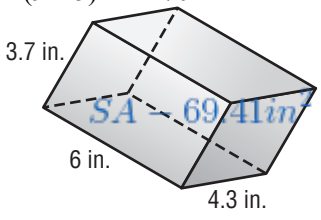
(9 x 9)x2 =162
(10 x 9)x2 =180
(10 x 9)x2 =180

5.



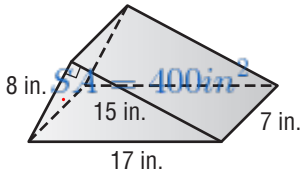
(4 x 3)x2 =24
(3 x 8.5)x2 =51
(4 x 8.5)x2 =68

6.



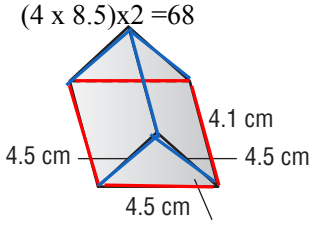
(6 x 4.3) x2 = 24.8
(6 x 3.7) x2 = 28.7
(4.3 x 3.7) x2 = 15.91

7.



7 x 8= 56
15 x 7=105
8 x 15/2 x2 =120

8.

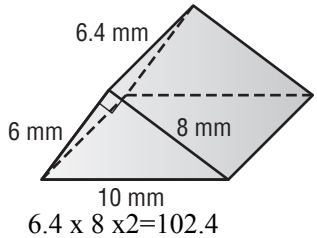


$SA = 74.75cm^2$

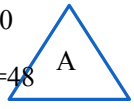
area of base 8.8 cm^2

4.5 x 4.5=20.25
4.5 x 4.1 x2 =36.9
8.8 x2 =17.6

9.



6.4 x 8 x2=102.4
6 x 6.4=38.4 bh/2
10 x 6 = 60
6 x 8 /2 x2 =48



10. Find the surface area of a rectangular prism that has a length of 8 inches, a width of 3 inches, and a height of 6 inches.

$SA = 248in^3$

11. Find the surface area of a triangular prism. The sides of the right triangular base measure 9 centimeters, 12 centimeters and 15 centimeters. The height of the prism is 20 centimeters.