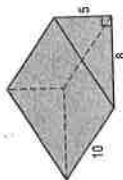


NAME \_\_\_\_\_ DATE \_\_\_\_\_ PERIOD \_\_\_\_\_

**12-3 Practice (Average)**

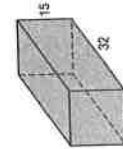
**Surface Areas of Prisms**

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



1.

224.3 units<sup>2</sup>



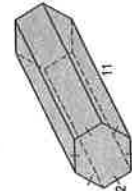
2.

1920 units<sup>2</sup> (square base)  
1410 units<sup>2</sup> (rectangular base)



3.

123.5 units<sup>2</sup>



4.

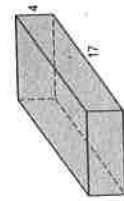
132 units<sup>2</sup>

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



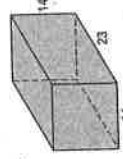
5.

311.2 units<sup>2</sup>



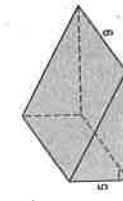
6.

514 units<sup>2</sup>



7.

1680 units<sup>2</sup>



8.

263.7 units<sup>2</sup>

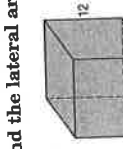
9. **CRAFTS** Becca made a rectangular jewelry box in her art class and plans to cover it in red silk. If the jewelry box is  $6\frac{1}{2}$  inches long,  $4\frac{1}{2}$  inches wide, and 3 inches high, find the surface area that will be covered. **124 $\frac{1}{2}$  in<sup>2</sup>**

NAME \_\_\_\_\_ DATE \_\_\_\_\_ PERIOD \_\_\_\_\_

**12-3 Skills Practice**

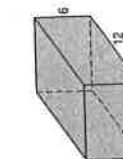
**Surface Areas of Prisms**

Find the lateral area of each prism.



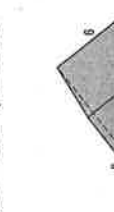
1.

480 units<sup>2</sup> (square base)  
528 units<sup>2</sup> (rectangular base)



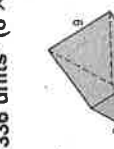
2.

240 units<sup>2</sup> (8 × 12 base)  
288 units<sup>2</sup> (12 × 6 base)  
336 units<sup>2</sup> (8 × 6 base)



3.

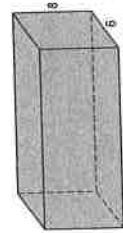
120 units<sup>2</sup>



4.

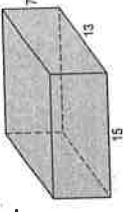
324 units<sup>2</sup>

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



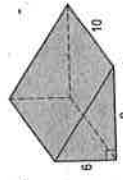
5.

600 units<sup>2</sup>



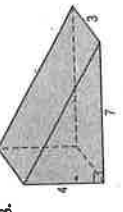
6.

782 units<sup>2</sup>



7.

312.2 units<sup>2</sup>



8.

85.2 units<sup>2</sup>