## 4.1 Practice pg. 156-157 #3-15 odd (ANSWERS WITH WORK)

## Practice and Problem Solving

3. 
$$A = bh$$
  
= 6(3)  
= 18

The area of the parallelogram is 18 square feet.

**4.** 
$$A = bh$$
  
= 20(42)  
= 840

The area of the parallelogram is 840 square millimeters.

**5.** 
$$A = bh$$
  
= 17(11)  
= 187

The area of the parallelogram is 187 square kilometers.

**6.** 
$$A = bh$$
  
= 75(50)  
= 3750

The area of the parallelogram is 3750 square centimeters.

7. 
$$A = bh$$
  
= 13.5(18)  
= 243

The area of the parallelogram is 243 square inches.

8. 
$$A = bh$$
  
=  $37\frac{1}{4}(24)$   
=  $894$ 

The area of the parallelogram is 894 square miles.

**9.** The height of the parallelogram is not 15 meters. The height is 13 meters.

$$A = bh$$
$$= 8(13)$$
$$= 104$$

The area of the parallelogram is 104 square meters.

**10.** 
$$A = bh$$
  
= 4(1.5)  
= 6

The area of the tile is 6 square inches.

**11.** 
$$A = bh$$
  
= 6(2)  
= 12

The area of the parallelogram is 12 square units.

**12.** 
$$A = bh$$
  
= 3(3)  
= 9

The area of the parallelogram is 9 square units.

13. 
$$A = bh$$
  
= 8(3)  
= 24

The area of the parallelogram is 24 square units.

14. Area of shaded region 
$$= \frac{\text{Area of parallelogram}}{\text{parallelogram}} - \frac{\text{Area of rectangle}}{\text{rectangle}}$$
$$= 10(7) - 3(2)$$
$$= 70 - 6$$
$$= 64$$

The area of the shaded region is 64 square centimeters.

15. Area of shaded region = Area of larger parallelogram - Area of smaller parallelogram = 
$$8(12)$$
 -  $4(6)$  =  $96$  -  $24$  =  $72$ 

The area of the shaded region is 72 square meters.