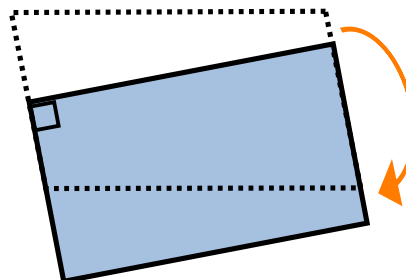
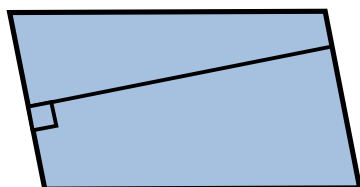
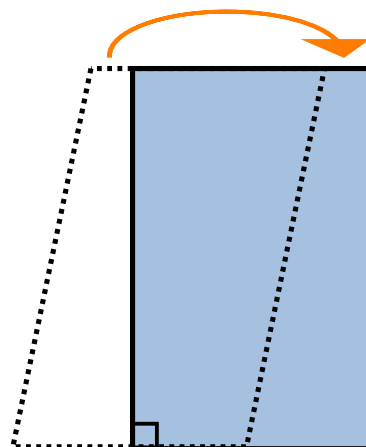
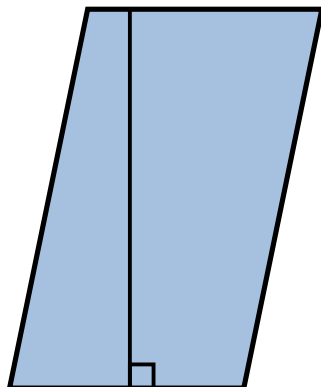
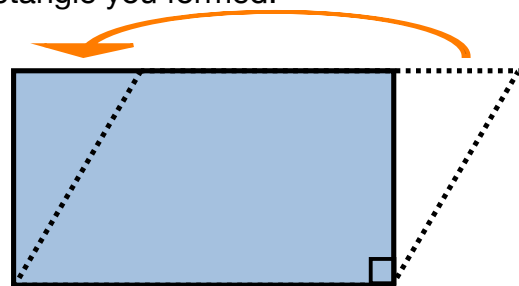
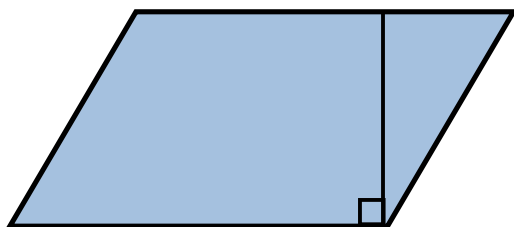
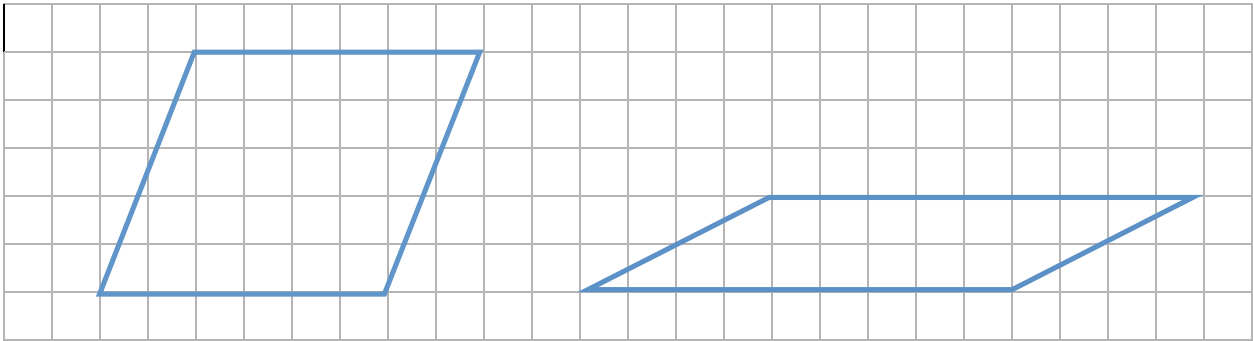


1. Complete the following steps for each parallelogram shown below.
 - a. Trace and cut out the parallelogram.
 - b. Cut the parallelogram along the height so there are two pieces.
 - c. Place the two pieces together to form a rectangle.
 - d. Next to the parallelogram, draw a sketch of the rectangle you formed.



2. Compare each parallelogram to the rectangle you formed. Are the following measurements the same or different?
 - a. base **In each case, the base and height are the same. Therefore, the**
 - b. height **parallelogram and rectangle have the same area. While the bases are the**
 - c. area **same, the other two sides of the rectangle are shorter than the remaining**
 - d. perimeter **two sides of the corresponding parallelogram. Therefore, the perimeters**
of the rectangles are less than the perimeters of the parallelograms.

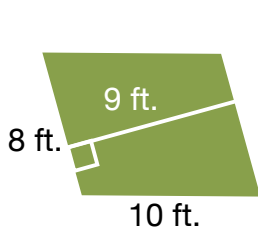
3. Determine the area of each parallelogram by counting the squares. Then find the area by using the formula $A = bh$. How do your answers compare?



About 30 squares
 $A = 6 \cdot 5$
 $= 30$ square units

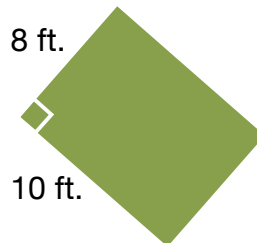
About 18 squares
 $A = 9 \cdot 2$
 $= 18$ square units

4. Mia is reseeding her lawn. There are three sections of lawn that are shaped like a parallelogram. Find the area of each section.



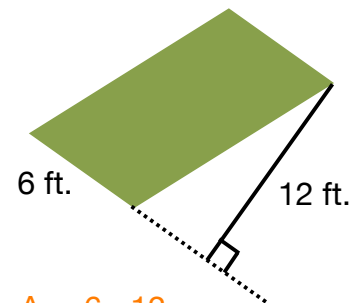
$$A = 8 \cdot 10$$

$$= 72 \text{ sq. ft.}$$



$$A = 10 \cdot 8$$

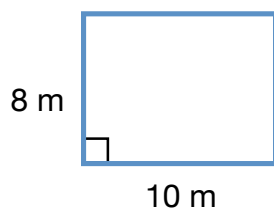
$$= 80 \text{ sq. ft.}$$



$$A = 6 \cdot 12$$

$$= 72 \text{ sq. ft.}$$

5. Find the perimeter and area of each of the following parallelograms.

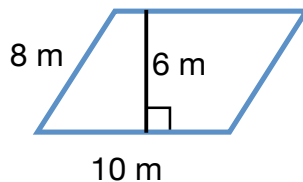


$$P = 8 + 10 + 8 + 10$$

$$= 36 \text{ m}$$

$$A = 10 \cdot 8$$

$$= 80 \text{ sq. m}$$

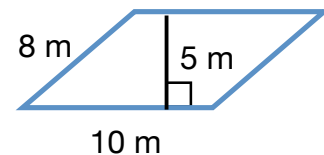


$$P = 8 + 10 + 8 + 10$$

$$= 36 \text{ m}$$

$$A = 10 \cdot 6$$

$$= 60 \text{ sq. m}$$



$$P = 8 + 10 + 8 + 10$$

$$= 36 \text{ m}$$

$$A = 10 \cdot 5$$

$$= 50 \text{ sq. m}$$