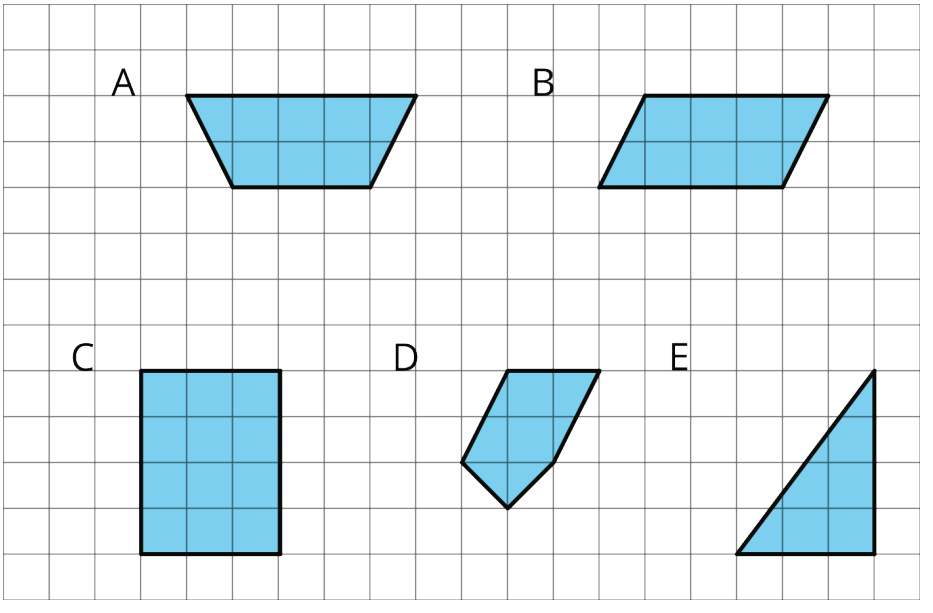
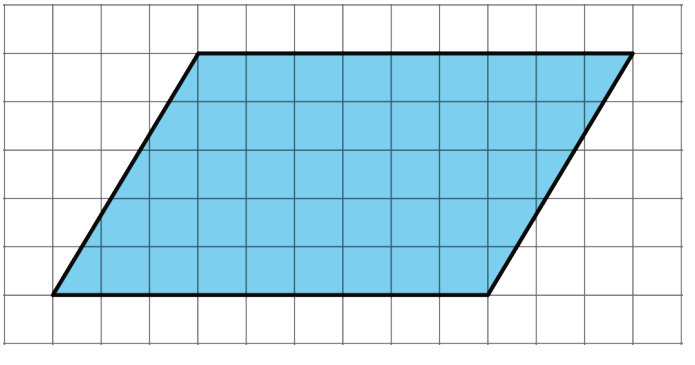
Lesson 4 Practice Problems

1. Select **all** of the parallelograms. For each figure that is *not* selected, explain how you know it is not a parallelogram.

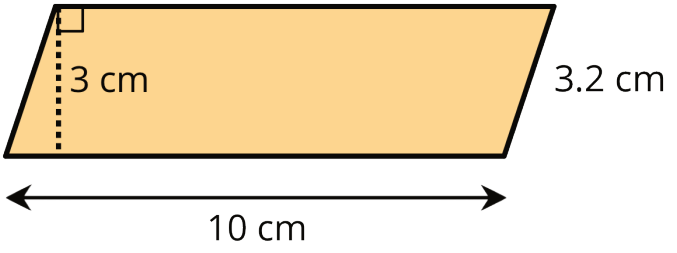


2. a. Decompose and rearrange this parallelogram to make a rectangle.

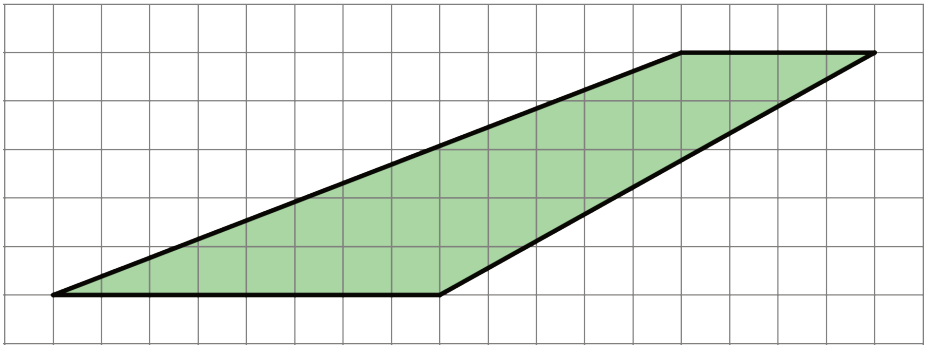


b. What is the area of the parallelogram? Explain your reasoning.

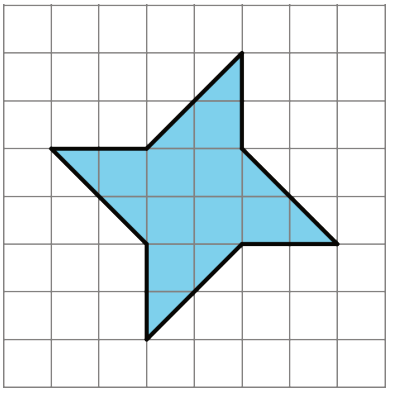
3. Find the area of the parallelogram.

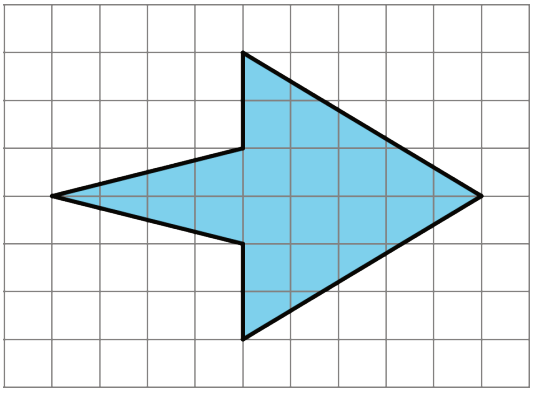


4. Explain why this quadrilateral is *not* a parallelogram.



5. Find the area of each shape. Show your reasoning.





(From Unit 1, Lesson 3.)

6. Find the area of the rectangle with each set of side lengths.

   a. 5 in and $\frac{1}{3}$ in

   b. 5 in and $\frac{4}{3}$ in

   c. $\frac{5}{2}$ in and $\frac{4}{3}$ in

   d. $\frac{7}{6}$ in and $\frac{6}{7}$ in

(From Unit 1, Lesson 1.)