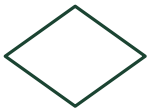
Parallelograms

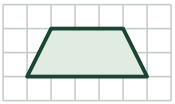
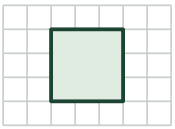
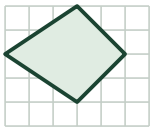
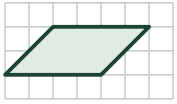
Geometry & Shapes • Answer Key

ANSWER KEY • Amplify Alignment: Grade 6 Accelerated, Unit 1, Lesson 3

1. Select all the shapes that appear to be parallelograms.

- ☑ **A.** 
- ☐ **B.** 
- ☑ **C.** 
- ☐ **D.** 
- ☑ **E.** 
- ☐ **F.** 

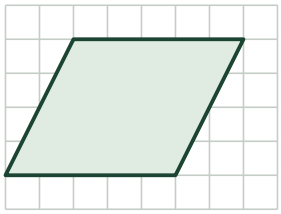
2. Determine whether each figure is a parallelogram. Explain your thinking.

Figure	Parallelogram? (yes/no)	Explanation
	No	Only one pair of opposite sides is parallel.
	Yes	Both pairs of opposite sides are parallel.
	No	No sides are parallel.
	Yes	Both pairs of opposite sides are parallel.

3. Select all the true statements.

- ☑ **A.** A parallelogram can be cut and rearranged to form a rectangle with the same area.
- ☐ **B.** A parallelogram has exactly one pair of parallel sides.
- ☑ **C.** A rectangle is a parallelogram.
- ☐ **D.** A parallelogram always has four right angles.
- ☑ **E.** Opposite sides of a parallelogram are parallel.

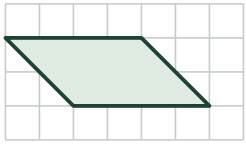
4. Use any strategy to determine the area of the parallelogram.



Cut the triangle from one side and move it to the other to make a 5 × 4 rectangle. Area = 20 square units

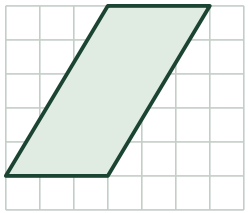
5. Use any strategy to determine the area of each parallelogram.

a



Area: **8 sq. units**

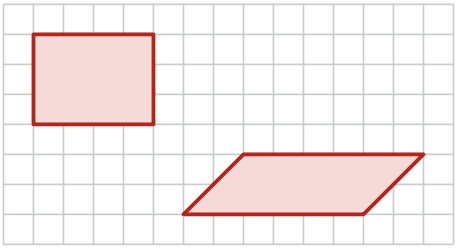
b



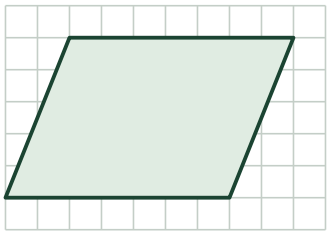
Area: **15 sq. units**

6. Draw two different parallelograms on the grid, each with an area of 12 square units.

Sample answers shown: a 4 × 3 rectangle and a parallelogram with base 6 and height 2.



7. Kenji says he can find the area of this parallelogram by cutting off the triangle on the left side and moving it to the right side to form a rectangle. He says the area is 35 square units. Is Kenji correct? Explain your thinking.



Yes. Moving the triangle makes a rectangle that is 7 units wide and 5 units tall, so the area is 7 × 5 = 35 square units.