Lesson 19: Unknown Area Problems on the Coordinate Plane

Problem Set

Find the area of each figure.

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| 1.

 | 1.
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| 1.
 | 1.

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| 1.
 | 1.

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For Problems 7–9, draw a figure in the coordinate plane that matches each description.

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| 1. A rectangle with an area of $18$ sq. units
 | 1. A parallelogram with an area of $50$ sq. units
 | 1. A triangle with an area of $25$ sq. units
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Find the unknown value labelled as $x$ on each figure.

1. The rectangle has an area of $80$ sq. units.

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1. The trapezoid has an area of $115$ sq. units.

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1. ****Find the area of triangle $ABC$.
2. Find the area of the quadrilateral using two different methods. Describe the methods used, and explain why they result in the same area.



1. Find the area of the quadrilateral using two different methods. What are the advantages or disadvantages of each method?