Name: _____

Lesson 4.04
Deep Dive: Special Right Triangles

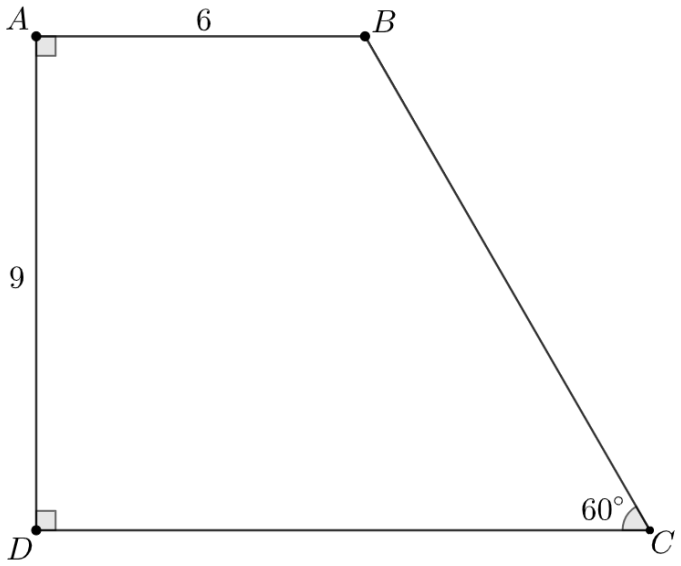
Geometry GT

Practice

1. The infield of a baseball field is a square with each base as a vertex and each side having a length of 90 feet. If the catcher stands at home plate and attempts to throw out a runner arriving at second base, directly across the diamond, what is the distance he must throw the ball?

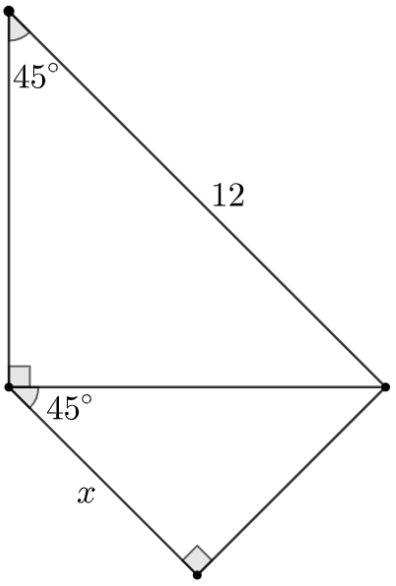
2. The formula to find the area of a parallelogram is the same as finding the area of a rectangle. If a parallelogram has side lengths of 10cm and 20cm, and the acute angles measure 30°, what is the area of the parallelogram?

3. Find the perimeter of trapezoid $ABCD$.



For each of the following, find the value of x.
All radicals should be simplified, and any radicals must be in the numerator.

4.



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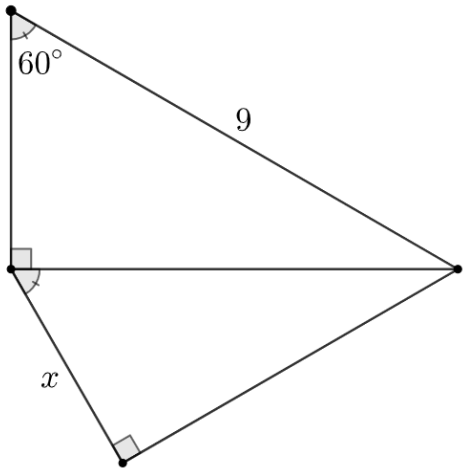

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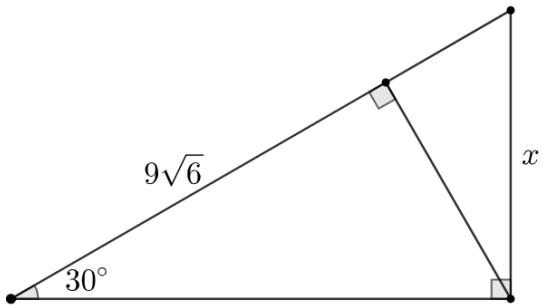

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