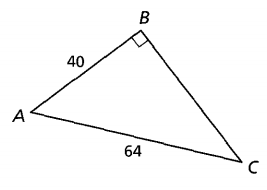
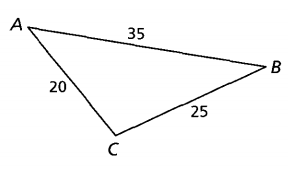
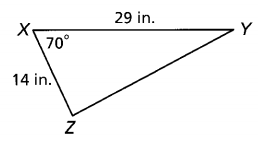
Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Advanced Functions and Modeling Unit 7 Homework 6**

**Find the area of each triangle. Show the set up of the problem. Round to the nearest tenth.**

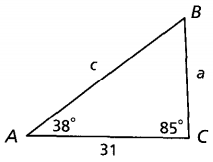
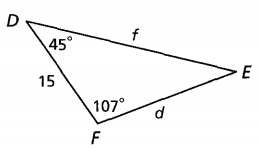
1.  2.



A triangular plot of land has side lengths 65 ft, 74 ft, and 101 ft. Find the area of the land.

3. 4.

**Use the Law of Sines to find the necessary side measure needed to find the area. Then find the area.**

5. 6.