

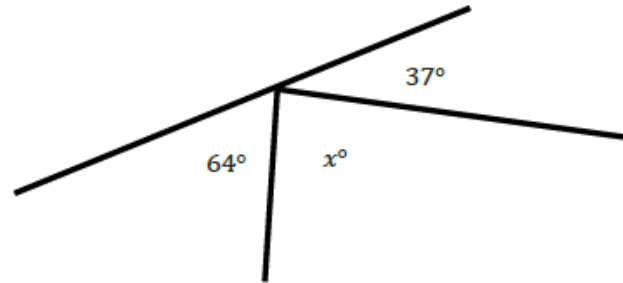
Module 4 Topic H Lessons 30 & 32 Student Copy

Exercises

Lesson 30

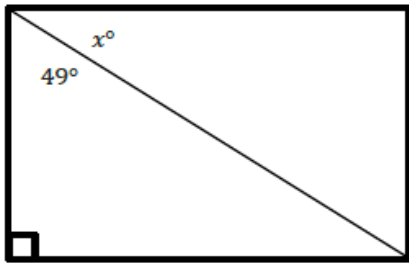
1.

Solve for x .



2.

Candice is building a rectangular piece of a fence according to the plans her boss gave her. One of the angles is not labeled. Write an equation, and use it to determine the measure of the unknown angle.



Lesson 32

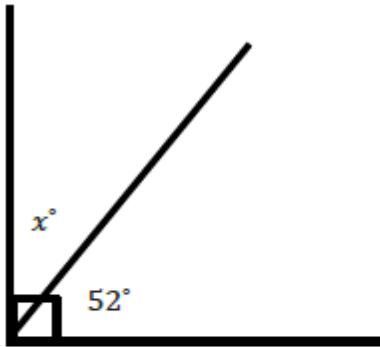
1. Each week Quentin earns \$30. If he saves this money, create a graph that shows the total amount of money Quentin has saved from week 1 through week 8. Write an equation that represents the relationship between the number of weeks that Quentin has saved his money, w , and the total amount of money in dollars that he has saved, s . Then, name the independent and dependent variables. Write a sentence that shows this relationship.

Problem Sets

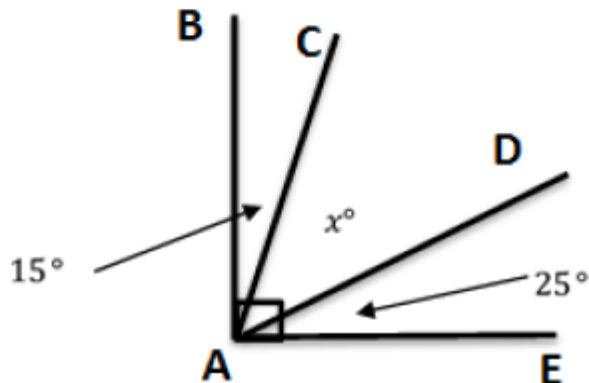
Lesson 30

Write and solve an equation for each problem.

1. Solve for x .



2. $\angle BAE$ measures 90° . Solve for x .



Lesson 32

1. Caleb started saving money in a cookie jar. He started with \$25. He adds \$10 to the cookie jar each week. Write an equation where w is the number of weeks Caleb saves his money and t is the total amount in dollars in the cookie jar. Determine which variable is the independent variable and which is the dependent variable. Then, graph the total amount in the cookie jar for w being less than 6 weeks.

