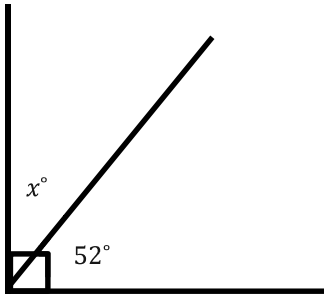


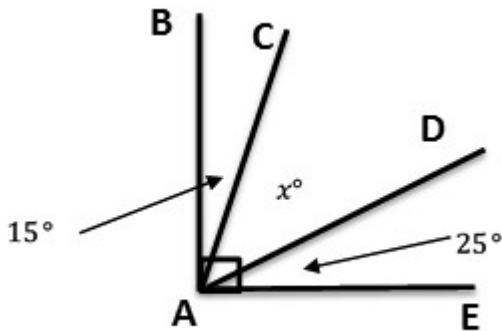
Problem Set

Write and solve an equation for each problem.

- Solve for x .

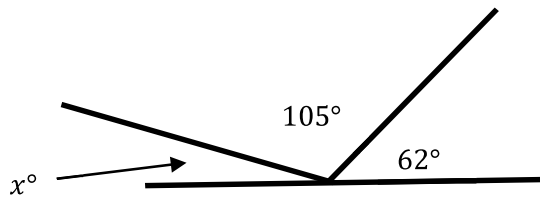


- $\angle BAE$ measures 90° . Solve for x .

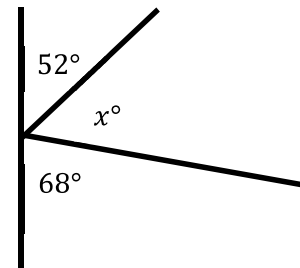


- Thomas is putting in a tile floor. He needs to determine the angles that should be cut in the tiles to fit in the corner. The angle in the corner measures 90° . One piece of the tile will have a measure of 24° . Write an equation, and use it to determine the measure of the unknown angle.

- Solve for x .



5. Aram has been studying the mathematics behind pinball machines. He made the following diagram of one of his observations. Determine the measure of the missing angle.



6. The measures of two angles have a sum of 90° . The measures of the angles are in a ratio of 2: 1. Determine the measures of both angles.
7. The measures of two angles have a sum of 180° . The measures of the angles are in a ratio of 5: 1. Determine the measures of both angles.