

Maps and the Pythagorean Theorem Practice

1. Shayla knows the distance from Calgary to Banff is 128 km. She wants to know the straight line distance from Banff to Edmonton. Shayla also knows the distance from Calgary to Edmonton is 298 km. Shayla estimates that she can use a right triangle and its properties to help her solve the problem.

Step 1: Identify the given and the required values.

- _____
- _____
- _____



Step 2: Draw and label the diagram.

Steps 3 and 4: Write the formula, substitute known values, and solve.

Step 5: Review your answer