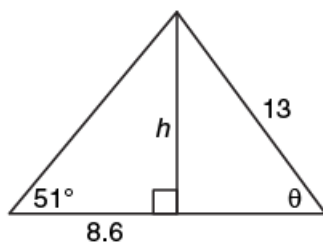


Multiple Step Problems

1. Determine the measure of angle θ , to the nearest degree.



Step 1: Create a plan.

Step 2: Solve for side length h .

Step 3: Solve for θ .

2. Two boats leave the dock at the same time. One boat travels 35 km at an angle of 36° north of east. The other boat travels 38 km at an angle of 43° south of east. How far apart are the boats?

Step 1: Begin by sketching a diagram to represent the situation.

Step 2: Create a plan.

Step 3: Solve for m .

Step 4: Solve for n .

Step 5: Complete the calculation required to answer the question asked.