Find the length of AB.

Boat 2 is 20 miles from the Boat 1, on a bearing of 040°

Mark with an x the location of Boat 2 on the map above

1 cm = 5 miles

Boat 2 is 20 miles from the Boat 1, on a bearing of 040°

Mark with an x the location of Boat 2 on the map above

The equation \( x^2 + x = 62 \)

has a solution between 7 and 8.

Use trial and improvement to find this solution.