Sine Rule (A)

In triangle ABC, side BC = 11.1 cm and side AC = 20.8 cm. ∠ABC = 98°. Find ∠BAC to one decimal place.

In triangle ABC, ∠ABC = 78° and ∠ACB = 51°. Side AB = 12.4 cm. Find side AC to one decimal place.

In triangle ABC, ∠ABC = 42° and ∠BAC = 75°. Side AC = 8.0 cm. Find side BC to one decimal place.

In triangle ABC, side AB = 11.0 cm and side BC = 9.3 cm. ∠ABC = 62°. Find ∠ACB to one decimal place.

In triangle ABC, side AC = 9.7 cm and side AB = 10.6 cm. ∠BAC = 64°. Find ∠ABC to one decimal place.

Sine Rule (B)

In triangle ABC, side AB = 12.3 cm and side BC = 20.0 cm. ∠ABC = 56°. Find ∠ACB to one decimal place.

In triangle ABC, side AB = 8.6 cm and side BC = 8.6 cm. ∠ABC = 62°. Find ∠ACB to one decimal place.

In triangle ABC, ∠ABC = 40° and ∠BAC = 46°. Side AC = 12.2 cm. Find side BC to one decimal place.

In triangle ABC, ∠ABC = 89° and ∠ACB = 16°. Side AB = 8.0 cm. Find side AC to one decimal place.

In triangle ABC, ∠BAC = 77° and ∠ACB = 59°. Side BC = 9.7 cm. Find side AB to one decimal place.

Sine Rule (C)

In triangle ABC, side AB = 12.0 cm and side BC = 19.9 cm. ∠ABC = 58°. Find ∠ACB to one decimal place.

In triangle ABC, ∠BAC = 55° and ∠ACB = 38°. Side BC = 21.3 cm. Find side AB to one decimal place.

In triangle ABC, ∠ABC = 36° and ∠BAC = 76°. Side AC = 17.0 cm. Find side BC to one decimal place.

In triangle ABC, ∠ABC = 51° and ∠ACB = 48°. Side AB = 20.8 cm. Find side AC to one decimal place.

In triangle ABC, side AB = 4.5 cm and side BC = 26.0 cm. ∠ABC = 80°. Find ∠ACB to one decimal place.

Sine Rule (D)

In triangle ABC, ∠ABC = 77° and ∠BAC = 65°. Side AC = 9.7 cm. Find side BC to one decimal place.

In triangle ABC, side AB = 23.9 cm and side BC = 13.1 cm. ∠ABC = 61°. Find ∠ACB to one decimal place.

In triangle ABC, ∠BAC = 67° and ∠ACB = 68°. Side BC = 10.1 cm. Find side AB to one decimal place.

In triangle ABC, ∠ABC = 50° and ∠BAC = 97°. Side AC = 13.0 cm. Find side BC to one decimal place.

In triangle ABC, side AC = 18.2 cm and side AB = 3.3 cm. ∠BAC = 97°. Find ∠ABC to one decimal place.

Sine Rule (E)

In triangle ABC, $\angle ABC = 40°$ and $\angle ACB = 72°$. Side AB = 25.7 cm. Find side AC to one decimal place.

In triangle ABC, $\angle ABC = 35°$ and $\angle ACB = 72°$. Side AB = 15.2 cm. Find side AC to one decimal place.

In triangle ABC, side AC = 19.0 cm and side AB = 4.3 cm. $\angle BAC = 78°$. Find $\angle ABC$ to one decimal place.

In triangle ABC, side AC = 15.9 cm and side AB = 13.7 cm. $\angle BAC = 38°$. Find $\angle ABC$ to one decimal place.

In triangle ABC, $\angle ABC = 54°$ and $\angle BAC = 43°$. Side AC = 21.8 cm. Find side BC to one decimal place.

Sine Rule (F)

In triangle ABC, side AB = 24.7 cm and side BC = 23.1 cm. ∠ABC = 55°. Find ∠ACB to one decimal place.

In triangle ABC, side BC = 24.7 cm and side AC = 25.7 cm. ∠ABC = 72°. Find ∠BAC to one decimal place.

In triangle ABC, ∠ABC = 84° and ∠ACB = 30°. Side AB = 7.5 cm. Find side AC to one decimal place.

In triangle ABC, side AB = 6.0 cm and side BC = 28.3 cm. ∠ABC = 91°. Find ∠ACB to one decimal place.

In triangle ABC, ∠ABC = 99° and ∠BAC = 46°. Side AC = 24.7 cm. Find side BC to one decimal place.

Sine Rule (G)

In triangle ABC, $\angle BAC = 65°$ and $\angle ACB = 38°$. Side BC = 10.9 cm. Find side AB to one decimal place.

In triangle ABC, side AC = 21.3 cm and side AB = 3.8 cm. $\angle BAC = 94°$. Find $\angle ABC$ to one decimal place.

In triangle ABC, side BC = 26.1 cm and side AC = 27.6 cm. $\angle ABC = 80°$. Find $\angle BAC$ to one decimal place.

In triangle ABC, side BC = 16.0 cm and side AC = 10.3 cm. $\angle ABC = 31°$. Find $\angle BAC$ to one decimal place.

In triangle ABC, $\angle BAC = 75°$ and $\angle ACB = 74°$. Side BC = 24.1 cm. Find side AB to one decimal place.

Sine Rule (H)

In triangle ABC, side AB = 10.4 cm and side BC = 15.0 cm. ∠ABC = 43°. Find ∠ACB to one decimal place.

In triangle ABC, ∠ABC = 65° and ∠BAC = 45°. Side AC = 26.3 cm. Find side BC to one decimal place.

In triangle ABC, side AC = 9.9 cm and side AB = 6.4 cm. ∠BAC = 56°. Find ∠ABC to one decimal place.

In triangle ABC, ∠ABC = 62° and ∠ACB = 86°. Side AB = 14.0 cm. Find side AC to one decimal place.

In triangle ABC, side AC = 15.8 cm and side AB = 2.8 cm. ∠BAC = 88°. Find ∠ABC to one decimal place.

Sine Rule (I)

In triangle ABC, $\angle ABC = 70°$ and $\angle BAC = 100°$. Side AC = 9.4 cm. Find side BC to one decimal place.

In triangle ABC, side AC = 20.5 cm and side AB = 26.3 cm. $\angle BAC = 70°$. Find $\angle ABC$ to one decimal place.

In triangle ABC, $\angle BAC = 99°$ and $\angle ACB = 27°$. Side BC = 12.8 cm. Find side AB to one decimal place.

In triangle ABC, $\angle ABC = 81°$ and $\angle ACB = 10°$. Side AB = 5.2 cm. Find side AC to one decimal place.

In triangle ABC, side BC = 12.6 cm and side AC = 12.0 cm. $\angle ABC = 67°$. Find $\angle BAC$ to one decimal place.

Sine Rule (J)

In triangle ABC, $\angle ABC = 84°$ and $\angle BAC = 64°$. Side AC = 25.9 cm. Find side BC to one decimal place.

In triangle ABC, $\angle ABC = 45°$ and $\angle ACB = 57°$. Side AB = 10.9 cm. Find side AC to one decimal place.

In triangle ABC, side AC = 28.9 cm and side AB = 5.0 cm. $\angle BAC = 75°$. Find $\angle ABC$ to one decimal place.

In triangle ABC, side AC = 8.9 cm and side AB = 11.0 cm. $\angle BAC = 39°$. Find $\angle ABC$ to one decimal place.

In triangle ABC, $\angle BAC = 73°$ and $\angle ACB = 15°$. Side BC = 13.4 cm. Find side AB to one decimal place.