

5.1 - Law of Sines

Solve each triangle. Round your answers to the nearest tenth.

1) $m\angle B = 95^\circ$, $a = 13$ m, $b = 23.1$ m

3) $m\angle C = 39^\circ$, $m\angle A = 97^\circ$, $c = 19$ km

5) $m\angle C = 122^\circ$, $b = 14$ mi, $c = 19.5$ mi

2) $m\angle B = 29^\circ$, $b = 21$ mi, $a = 6$ mi

4) $m\angle B = 88.6^\circ$, $b = 12$ mi, $a = 10$ mi

6) $m\angle C = 9^\circ$, $m\angle A = 49^\circ$, $b = 27$ mi

5.1 - Law of Sines

Solve each triangle. Round your answers to the nearest tenth.

- 1) $m\angle B = 95^\circ$, $a = 13$ m, $b = 23.1$ m $m\angle C = 50.9^\circ$, $m\angle A = 29.1^\circ$, $b = 21$ mi, $a = 6$ mi $m\angle C = 143^\circ$, $m\angle A = 8^\circ$
 2) $m\angle B = 29^\circ$, $b = 12$ mi, $a = 10$ mi $m\angle C = 35^\circ$, $m\angle A = 116^\circ$
 3) $m\angle C = 39^\circ$, $m\angle A = 97^\circ$, $c = 19$ km $m\angle B = 44^\circ$, $b = 42$ km, $a = 83.6$ km
 4) $m\angle B = 83.6^\circ$, $b = 12$ mi, $a = 10$ mi $m\angle C = 35^\circ$, $m\angle A = 116^\circ$
 5) $m\angle C = 122^\circ$, $b = 14$ mi, $c = 19.5$ mi $m\angle A = 20.5^\circ$, $m\angle B = 37.9^\circ$, $m\angle A = 49^\circ$, $b = 27$ mi $m\angle B = 122^\circ$, $a = 24$ m