SM3 7.3 Law of Sines – Odd Answers

1. $m\angle A = 53.13°$

   $m\angle B = 36.87°$

   $a = 8$ cm

3. $m\angle A \approx 18.0°$

5. $\overline{AB} \approx 14.0$ meters

7. $m\angle A = 38°$ $a = 16$ mi

   $m\angle B = 88°$ $b = 26.0$ mi

   $m\angle C = 54°$ $c = 21.0$ mi

9. $m\angle A = 114°$ $a = 39$ in

   $m\angle B = 25.0°$ $b = 18.0$ in or 18.1 in

   $m\angle C = 41.0°$ $c = 28$ in

11. $m\angle A = 139°$ $a = 30.9$ in

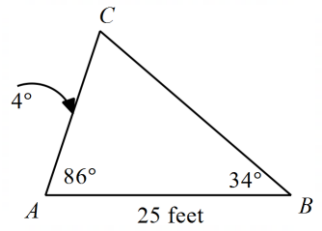
    $m\angle B = 25°$ $b = 19.9$ in

    $m\angle C = 16°$ $c = 13$ in

13. $x = 19.7\ miles$

    $y = 9.6\ miles$

15.



$m\angle C = 60°$ $\overline{AC} = 16.1$ m

The length of the wall is 16.1 feet.