

## Answers to 5.4 Law of Sines G.SRT.10

1)  $63 \text{ ft}^2$

3)  $46.8^\circ$

5)  $18^\circ$

7)  $14 \text{ m}$

9)  $m\angle B = 46^\circ, b = 27 \text{ yd}, a = 34 \text{ yd}$

11)  $m\angle B = 25.9^\circ, m\angle A = 48.1^\circ, a = 17 \text{ km}$

13)  $m\angle A = 31^\circ, m\angle B = 18^\circ, a = 15 \text{ yd}$

15)  $m\angle B = 41^\circ, m\angle C = 26^\circ, b = 15 \text{ ft}$

17)  $m\angle A = 21^\circ, c = 40 \text{ mi}, a = 15 \text{ mi}$