

Math 1060
Chapter 6 Review
Answers

1. (a) $A = 150^\circ, a \approx 48.24, b \approx 16.75$
(b) $A = 80^\circ, b \approx 334.95, c \approx 219.04$
(c) Two solutions $A \approx 40.92^\circ, C \approx 114.08^\circ, c \approx 8.64$ or $A \approx 139.08^\circ, C \approx 15.92^\circ, c \approx 2.60$
(d) $A \approx 29.69^\circ, B \approx 52.41^\circ, C \approx 97.90^\circ$
(e) $A \approx 45.76^\circ, B \approx 91.24^\circ, c \approx 21.42$
2. (a) 15.757
(b) 8.36
3. 31.1 meters
4. 1135 miles
5. 740.5 kilometers per hour; 32.1°