

Section 4.2: Applications of Right Triangles

Answers

1. $c = 8.5, A = 37.8^\circ, B = 52.2^\circ$
2. $a = 0.5, c = 0.8, B = 52^\circ$
3. $b = 107.5, c = 134.6, B = 53^\circ$
4. $a = 29.4, b = 45.3, A = 33^\circ$
5. cannot be solved, since don't have any sides
6. $b = 4.6, A = 23.6^\circ, B = 66.4^\circ$
7. $c = 18.4, A = 77.5^\circ, B = 12.5^\circ$
8. $b = 61.6, A = 59.1^\circ, B = 30.9^\circ$
9. $a = 0.7, A = 51.8^\circ, B = 38.2^\circ$
10. $a = 0.2, c = 0.6, B = 69^\circ$
11. $a = 20.8, b = 15.6, B = 37^\circ$
12. $a = 480.1, c = 481.9, A = 85^\circ$
13. $b = 19.4, c = 74.9, B = 15^\circ$
14. $b = 6.9, c = 13.9, A = 60^\circ$
15. $a = 8.7, b = 16.4, A = 28^\circ$
16. cannot be solved, since don't have any sides