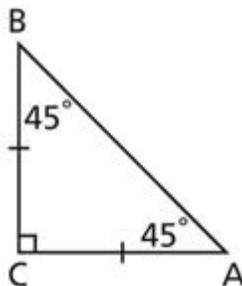


Math 10

Lesson 7-6 Answers

Assignment

1. a) 35° b) 65°
2. a) $\tan 20^\circ < 1$ b) $\tan 70^\circ > 1$
3. 6°
4. The triangle is an isosceles right triangle.



5. a) i) 3.7 cm ii) 3.0 cm
b) i) 4.2 cm ii) 4.0 cm
6. 327 m
7. a) 11.7 cm b) 13.0 cm
8. 17.5 m
9. 30 m
10. a) 73° b) 28°
11. 64.2°
12. 36.9°
13. a) 3.9 cm
b) 4.4 cm
c) 4.7 cm
d) 4.5 cm
14. 6.0 km
15. a) $CE = 5.0$ cm, $\angle E = 57.3^\circ$, $\angle C = 32.7^\circ$
b) $\angle H = 52^\circ$, $GH = 2.7$ cm, $FH = 4.3$ cm
c) $\angle K = 63^\circ$, $JM = 3.9$ cm, $KM = 2.0$ cm
16. 85.9°

17. a) 35.5 cm; 52.1 cm²
b) 13.0 cm; 10.2 cm²

18. a) 13.6 cm b) 11.3 cm c) 21.0°

19. 2316 ft.