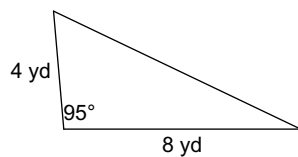


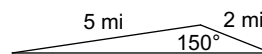
WS 18.4: Solving Problems with Trigonometry

Find the area of each figure. Round your answer to the nearest tenth.

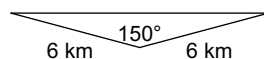
1)



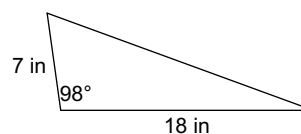
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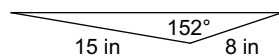
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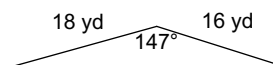
4)



5)



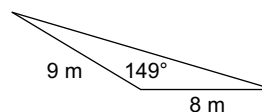
6)



7)



8)



9) A triangle with two sides that measure 2 ft and 3 ft with an included angle of 150° .

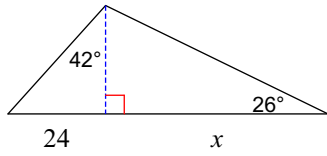
10) A triangle with two sides that measure 2 ft and 2 ft with an included angle of 100° .

11) A triangle with two sides that measure 7 km and 13 km with an included angle of 105° .

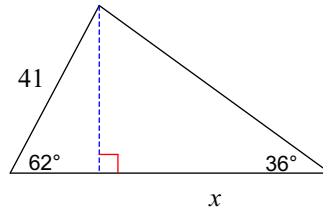
12) A triangle with two sides that measure 14 km and 13 km with an included angle of 87° .

Find the area of each triangle (the large one). Round your final answer to the nearest tenth.

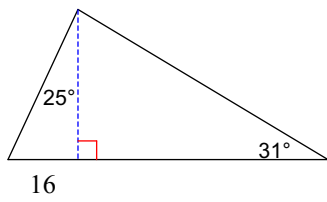
13)



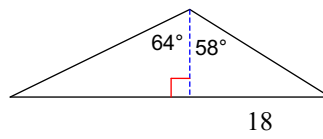
14)



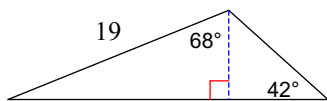
15)



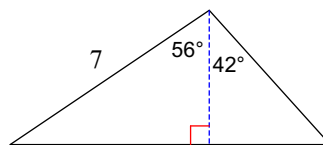
16)



17)



18)



Answers to WS 18.4: Solving Problems with Trigonometry

1) 15.9 yd²

5) 28.2 in²

9) 1.5 ft²

13) 54.7

17) 90.5

2) 2.5 mi²

6) 78.4 yd²

10) 2 ft²

14) 49.8

18) 18.1

3) 9 km²

7) 67.1 in²

11) 43.9 km²

15) 1253.7

4) 62.4 in²

8) 18.5 m²

12) 90.9 km²

16) 229.6