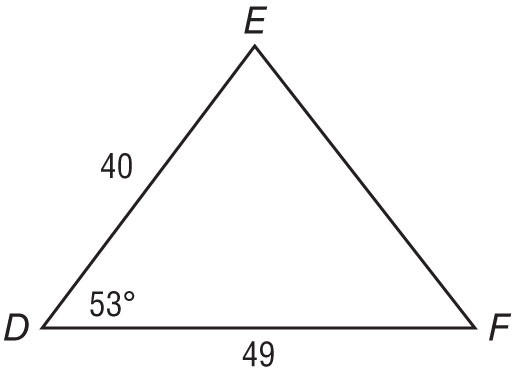
**4-6 and 4-7 Review**

Class Copy

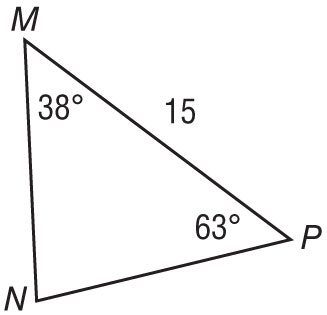
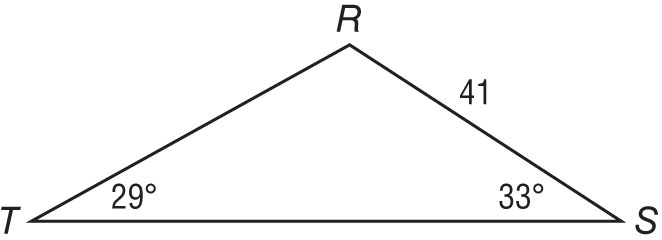
**Find the exact value of each expression, if it exists.**

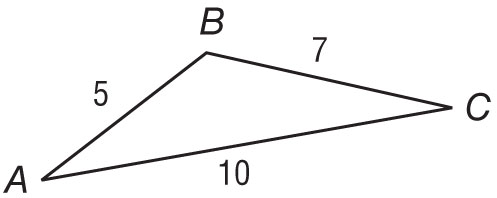
**1.**  **2.**  **3.** tan **4.**

**5.** arctan **6.** arcsin **7.** tan **8.** sin

**Solve each triangle. Round to the nearest tenth if necessary.**

40

**9. 10. 11.**

****

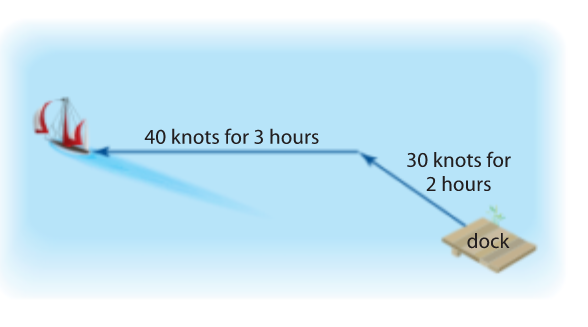
**12.**

**Find all solutions for the given triangle, if possible. Round to the nearest tenth if necessary.**

**13.  14.  15. **

**16. A boat leaves a dock and travels north of west averaging 30 knots for 2 hours. The boat then travels directly west averaging 40 knots for 3 hours.**

1. **How many nautical miles is the boat from the dock after 5 hours?**
2. **How many degrees south of east is the dock from the boat’s present position?**



**Find the area of the triangle.**

**17.  18.  19. **

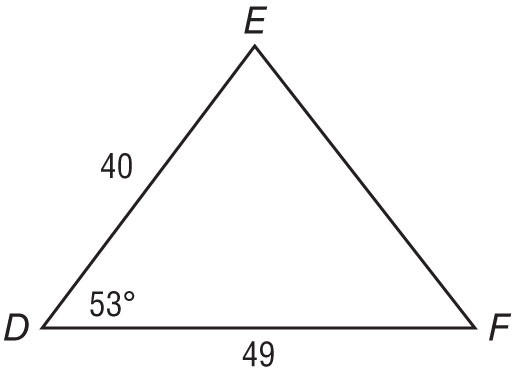
**4-6 and 4-7 Review**

Class Copy

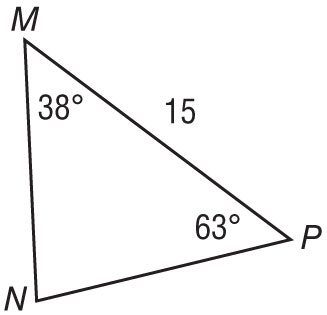
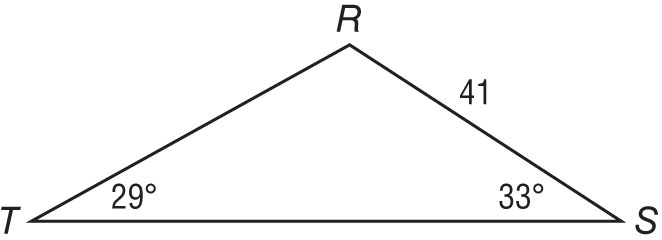
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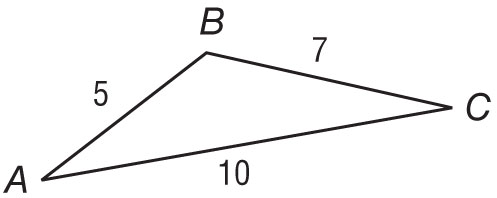
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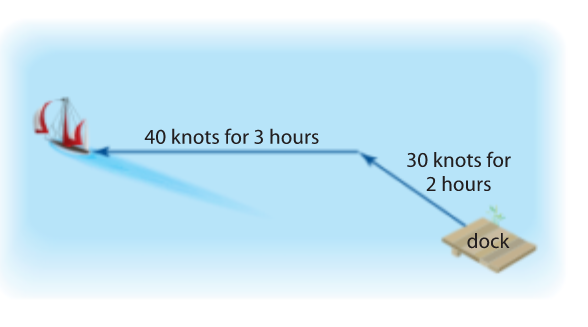
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