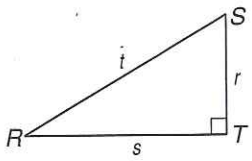
NAME _____ DATE _____ PERIOD ____

7-4 Skills Practice

Trigonometry

Use $\triangle RST$ to find sin R, cos R, tan R, sin S, cos S, and tan S. Express each ratio as a fraction and as a decimal to the nearest hundredth.



1. $r = 16, s = 30, t = 34$

2. $r = 10, s = 24, t = 26$

Use a calculator to find each value. Round to the nearest ten-thousandth.

3. sin 5

4. tan 23

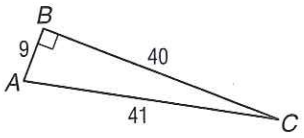
5. cos 61

6. sin 75.8

7. tan 17.3

8. cos 52.9

Use the figure to find each trigonometric ratio. Express answers as a fraction and as a decimal rounded to the nearest ten-thousandth.



9. tan C

10. sin A

11. cos C

Find the measure of each acute angle to the nearest tenth of a degree.

12. sin $B = 0.2985$

13. tan $A = 0.4168$

14. cos $R = 0.8443$

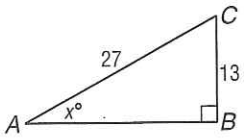
15. tan $C = 0.3894$

16. cos $B = 0.7329$

17. sin $A = 0.1176$

Find x. Round to the nearest tenth.

18.



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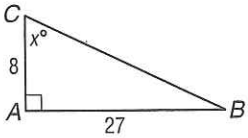

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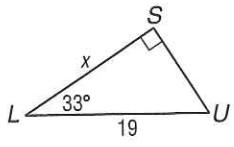

Lesson 7-4

Solve for the missing variable(s).

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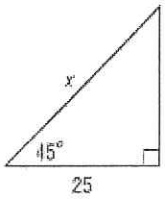

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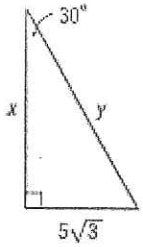

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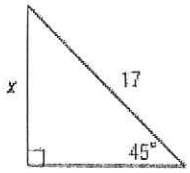

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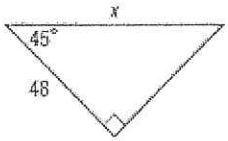

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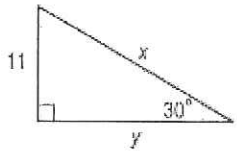

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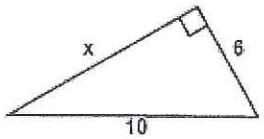

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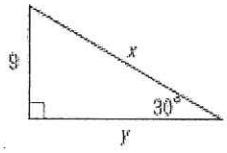

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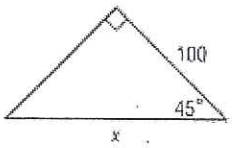

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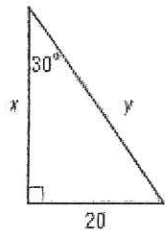

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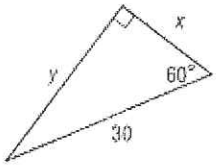

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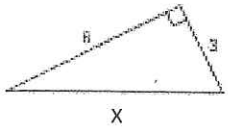
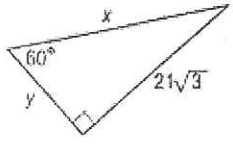
12.