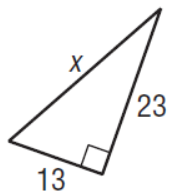


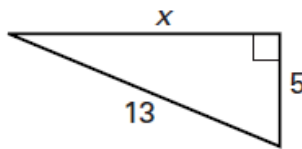
8-2**Practice*****The Pythagorean Theorem and Its Converse***

Find x . Round answers to the nearest hundredth if necessary.

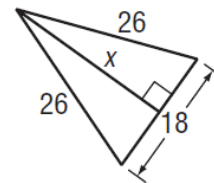
1. $x =$ _____



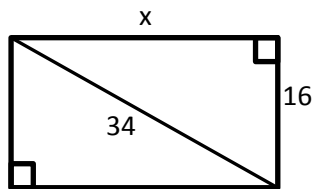
2. $x =$ _____



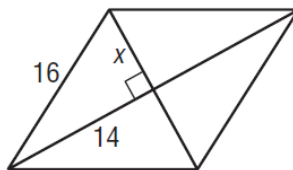
3. $x =$ _____



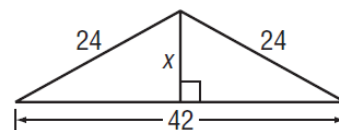
4. $x =$ _____



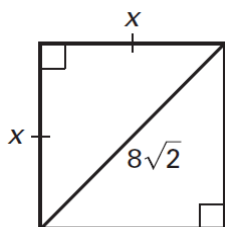
5. $x =$ _____



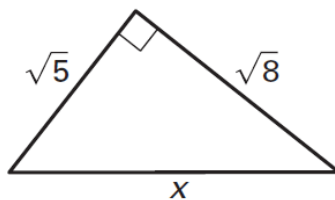
6. $x =$ _____



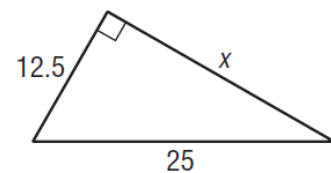
7. $x =$ _____



8. $x =$ _____



9. $x =$ _____



Determine whether each set of measure can be the measures of the sides of a right, acute, or obtuse triangle.

10. 40, 41, 9

11. 7, 29, 28

12. 24, 32, 40

13. 32, 30, 16

14. $\frac{2}{5}, \frac{4}{5}, \frac{6}{5}$

15. $2\sqrt{6}, 5, 7$

16. Of problems 1 – 15, which right triangles have sides that are Pythagorean Triples?

17. **CONSTRUCTION** The bottom end of a ramp at a warehouse is 10 feet from the base of the main dock and is 11 feet long. How high is the dock?

