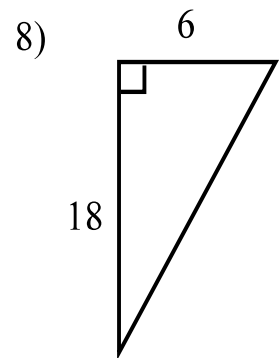
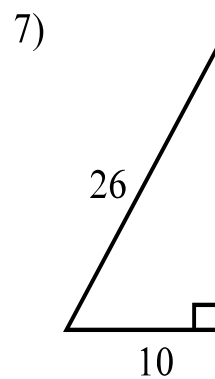
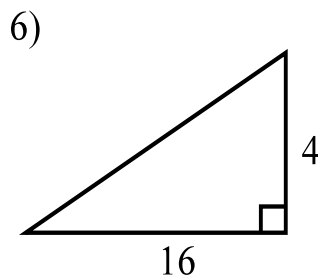
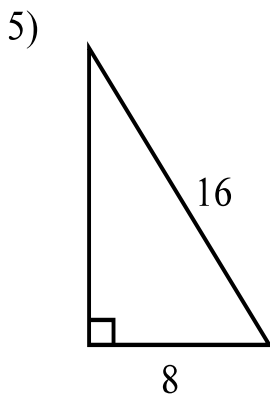
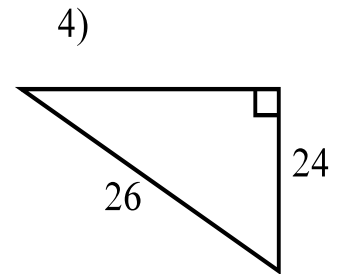
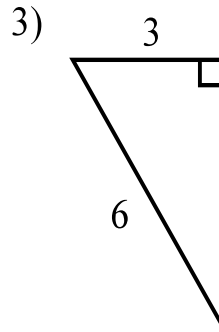
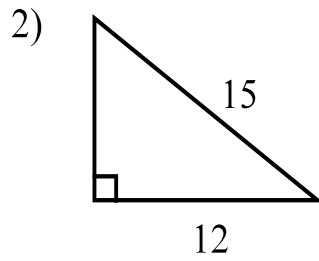
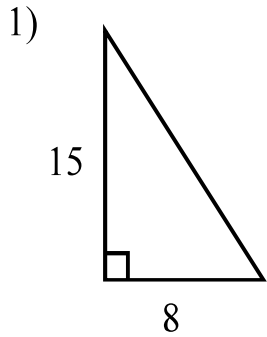


Pythagorean Theorem 3
Geometry

Use the Pythagorean Theorem to find the missing lengths in these right triangles. Put answers in simplest radical form and to the nearest tenth, if the answer isn't a whole number.



9) $a = 24, b = ?, c = 74$

10) $a = 6, b = 9, c = ?$

11) $a = ?, b = 13, c = 15$

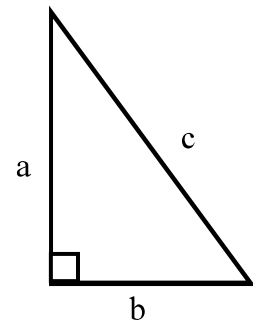
12) $a = 7, b = 24, c = ?$

13) $a = 12, b = ?, c = 15$

14) $a = ?, b = 12, c = 20$

15) $a = 9, b = ?, c = 17$

16) $a = 11, b = 3, c = ?$



Will a triangle with sides of the given lengths be a right triangle? If not, is the triangle obtuse or acute?

17) 13, 11, and 7

18) 12, 5, and 13

19) 63, 65, and 16

20) 16, 34, and 30

21) 17, 11, and 20

22) 11, 15, and 10