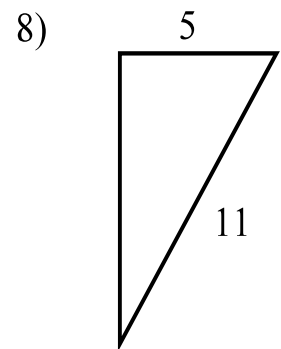
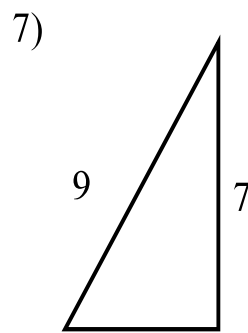
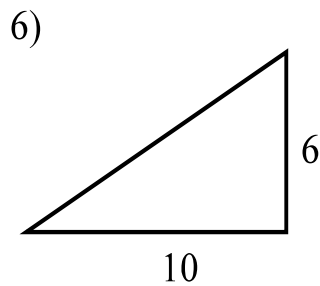
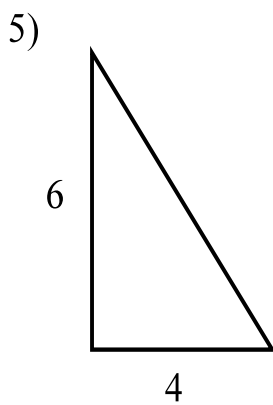
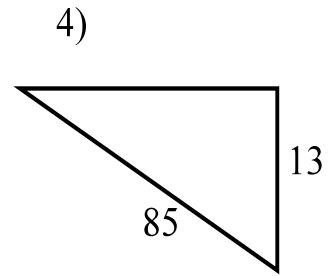
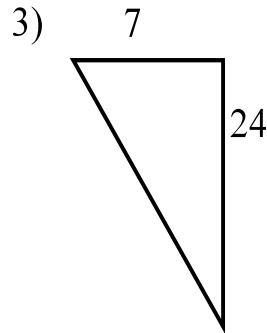
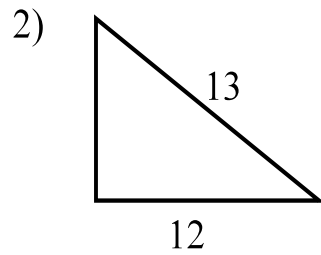
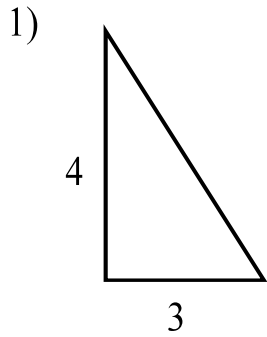


Pythagorean Theorem 1
Geometry

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) $a = 36, b = 15, c = ?$

10) $a = ?, b = 40, c = 50$

11) $a = 32, b = ?, c = 40$

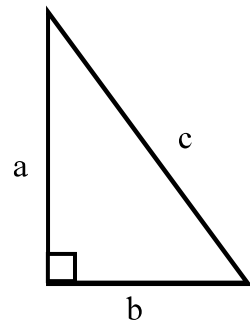
12) $a = 30, b = 16, c = ?$

13) $a = 7, b = ?, c = 14$

14) $a = 4, b = 6, c = ?$

15) $a = 9, b = 11, c = ?$

16) $a = ?, b = 9, c = 11$



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

17) 48, 20, and 53

18) 3, 4, and 5

19) 13, 6, and 8

20) 16, 11, and 6

21) 5, 12, and 13

22) 17, 13, and 11