SKILL

31

Skills Readiness

Pythagorean Theorem



Date _____ Class _____

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Example: Find the length of the hypotenuse of the right triangle.

Answer:
$$a^{2} + b^{2} = c^{2}$$

 $3^{2} + 4^{2} = c^{2}$
 $9 + 16 = c^{2}$
 $25 = c^{2}$
 $c = \sqrt{25} = 5$ The length of the hypotenuse is 5.

Practice on Your Own

Find the length of the hypotenuse in each right triangle. If the length is not a whole number, give the answer in simplest radical form.



Check

Find the length of the hypotenuse in each right triangle. If the length is not a whole number, give the answer in simplest radical form.

