Name _____ Date _____ Class _____

Skill: Using the Pythagorean Theorem

Can you form a right triangle with the three lengths given? Show your work.

1. $20, 21, 29$

2. $7, 11, 12$

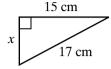**3.** $10, 2\sqrt{11}, 12$

4. $28, 45, 53$

5. $9, \sqrt{10}, 10$

6. $10, 15, 20$

Skill: Using the Pythagorean Theorem *(continued)*

Use the Pythagorean theorem to find the missing side of each right triangle.

7.

15 cm
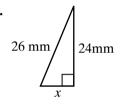
x

17 cm

8.

x

6 ft

8 ft

9.

26 mm

24mm

x

10.

9 in.

x

7 in.

11.

x

5 m

$\sqrt{146}$ m

12.

14 yd

x

12 yd