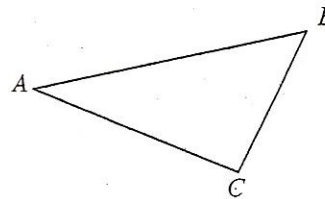


Problems

1. A square has an area of 144 square feet. What is the length of one of its sides?
2. A square has an area of 484 square inches. What is the length of one of its sides?
3. A square has an area of 200 square cm. What is the length of one of its sides?
4. A square has an area of 169 square units. What is the perimeter of the square?

The triangle at right does not have any of the lengths of the sides labeled. Can the triangle have side lengths of:



- | | |
|-----------------|----------------------|
| 5. 1, 2, 3? | 6. 7, 8, 9? |
| 7. 4.5, 2.5, 6? | 8. 9.5, 1.25, 11.75? |

Use the Pythagorean Theorem to find the value of x . When necessary, round your answer to the nearest hundredth.

