Master 1.28   **Extra Practice 5**

Lesson 1.5: The Pythagorean Theorem

1. Find the length of the unmarked side in each right triangle.
    Give your answers to one decimal place.

    a)

    3 cm

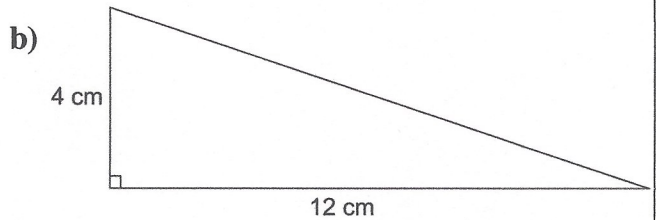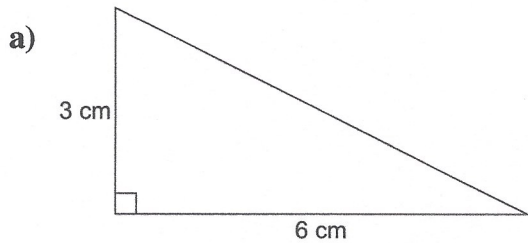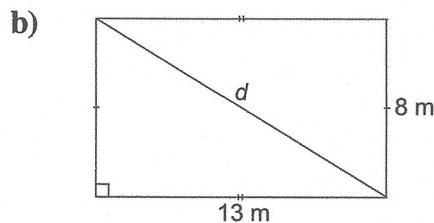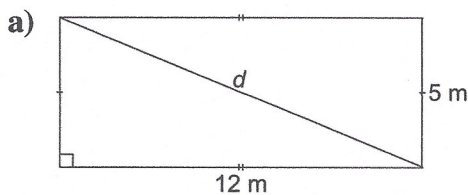   6 cm

    b)

    4 cm

    12 cm

    c)

    2 cm

    10 cm

    d)

    8 cm

    4 cm

    e)

    5 cm

    9 cm

    f)

    20 cm

    15 cm
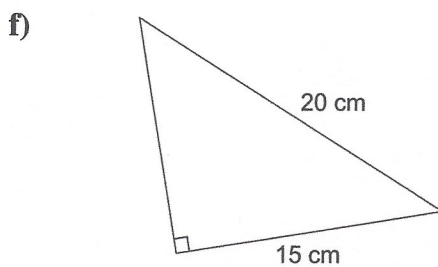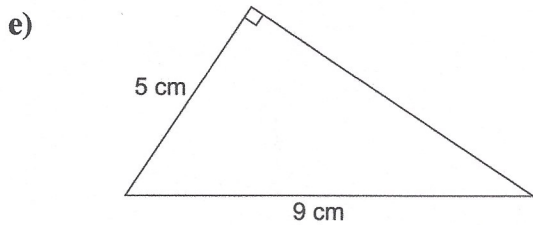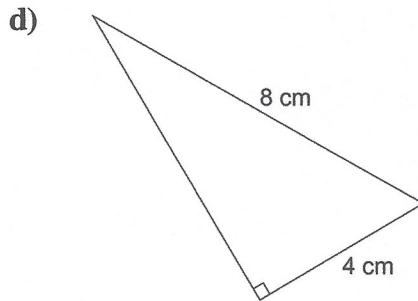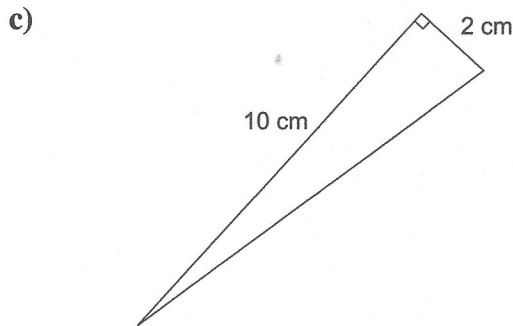
2. Find the length of the diagonal, d, in each rectangle.
    Give your answers to two decimal places where needed.

    a)

    d

    5 m

    12 m

    b)

    d

    8 m

    13 m

3. On grid paper, draw a line segment with each length. Explain how you did it.
    a) $\sqrt{20}$ cm   b) $\sqrt{34}$ cm   c) $\sqrt{40}$ cm
    d) $\sqrt{26}$ cm   e) $\sqrt{37}$ cm   f) $\sqrt{29}$ cm