

Quiz 69

Solve. Leave your answers in simplest radical form, if applicable.

1. The area of a square is 60 square inches. What is the length of one side?
2. A right triangle has legs with lengths of 3 cm and 4 cm. What is the length of the hypotenuse?
3. An isosceles right triangle has a hypotenuse of $7\sqrt{2}$ cm. What is the length of each leg?
4. A rectangle has a diagonal of 8 inches and a length of 6 inches. What is the width of the rectangle?
5. $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$
The formula above gives the distance, d , between two points (x_1, y_1) and (x_2, y_2) . What is the distance between the two points $(2, -6)$ and $(-3, 4)$?