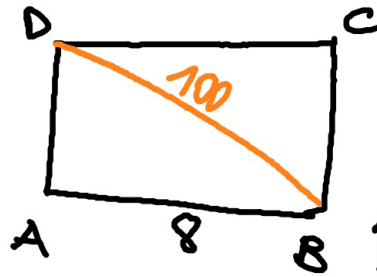


# APPLICAZIONI DEL TEOREMA DI PITAGORA

## AL RETTANGOLO

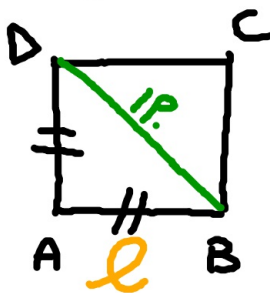


$$AB = 8 \text{ cm}$$
$$DB = 100 \text{ cm}$$

$$\begin{array}{r} 0,9991 \\ 10000 - \\ \quad 64 = \\ \hline 9936 \end{array}$$

$$DA = \sqrt{100^2 - 8^2} =$$
$$= \sqrt{10000 - 64} =$$
$$= \sqrt{9936} = 99,6 \text{ cm}$$

## QUADRATO



$$d = IP = l \cdot \sqrt{2}$$

$$IP = \sqrt{l^2 + l^2} = \sqrt{2l^2}$$
$$= l \cdot \sqrt{2}$$

$$l = \frac{IP}{\sqrt{2}}$$