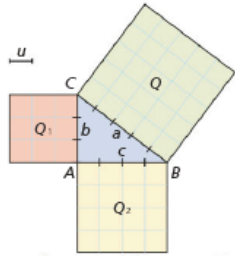


**TEOREMA DI PITAGORA**

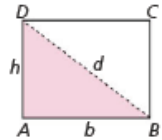


$Q = Q1 + Q2$

**Relazione pitagorica:**

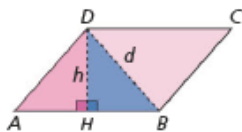
$a^2 = b^2 + c^2$   
 $b^2 = a^2 - c^2$   
 $c^2 = a^2 - b^2$

**RETTANGOLO**



$d = \sqrt{b^2 + h^2}$   
 $b = \sqrt{d^2 - h^2}$   
 $h = \sqrt{d^2 - b^2}$

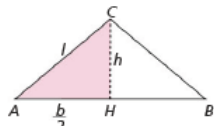
**PARALLELOGRAMMA**



$\overline{AD} = \sqrt{AH^2 + DH^2}$      $\overline{DB} = \sqrt{HB^2 + DH^2}$   
 $\overline{DH} = \sqrt{AD^2 - AH^2}$      $\overline{DH} = \sqrt{DB^2 - HB^2}$   
 $\overline{AH} = \sqrt{AD^2 - DH^2}$      $\overline{HB} = \sqrt{DB^2 - DH^2}$

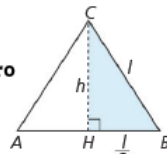
**TRIANGOLO PARTICOLARI**

**Isoscele**



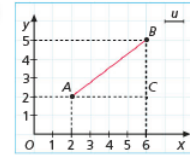
$l = \sqrt{h^2 + \left(\frac{b}{2}\right)^2}$      $h = \sqrt{l^2 - \left(\frac{b}{2}\right)^2}$      $\frac{b}{2} = \sqrt{l^2 - h^2}$

**Equilatero**



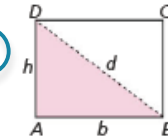
$h = \frac{l}{2} \cdot \sqrt{3}$      $l = \frac{2 \cdot h}{\sqrt{3}}$

**DISTANZA TRA DUE PUNTI**



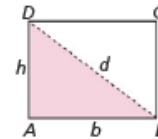
$\overline{AB} = \sqrt{(x_B - x_A)^2 + (y_B - y_A)^2}$

**ROMBO**



$d = \sqrt{b^2 + h^2}$   
 $b = \sqrt{d^2 - h^2}$   
 $h = \sqrt{d^2 - b^2}$

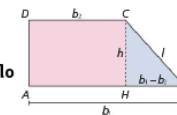
**QUADRATO**



$d = \sqrt{b^2 + h^2}$   
 $b = \sqrt{d^2 - h^2}$   
 $h = \sqrt{d^2 - b^2}$

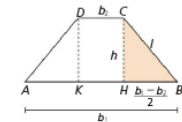
**TRAPEZI**

**Rettangolo**



$l = \sqrt{h^2 + (b_1 - b_2)^2}$   
 $h = \sqrt{l^2 - (b_1 - b_2)^2}$   
 $b_1 - b_2 = \sqrt{l^2 - h^2}$

**Isoscele**



$l = \sqrt{h^2 + \left(\frac{b_1 - b_2}{2}\right)^2}$      $h = \sqrt{l^2 - \left(\frac{b_1 - b_2}{2}\right)^2}$   
 $\frac{b_1 - b_2}{2} = \sqrt{l^2 - h^2}$