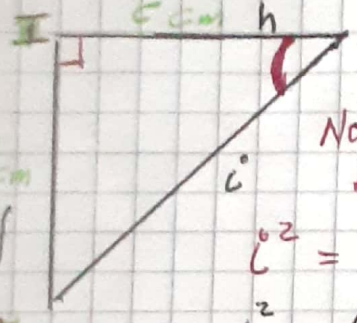
# RAZONES TRIGONOMÉTRICAS




No se conoce i
la hipotenusa

$i^2 = h^2 + f^2$

$i^2 = (6\,cm)^2 + (7\,cm)^2$

$i^2 = 36\,cm^2 + 49\,cm^2$

$\sqrt{i^2} = \sqrt{85\,cm^2}$

$i = 9{,}2\,cm$

$\angle J$:
$CO = f$
$Ca = h$
$hp = i$

**SOH CAH TOA**

1. $Sen\,J = \frac{CO}{h} = \frac{f}{i} = \frac{7\,cm}{9{,}2\,cm} = 0{,}76$

2. $Cos\,J = \frac{Ca}{h} = \frac{h}{i} = \frac{6\,cm}{9{,}2\,cm} = 0{,}65$

3. $Tan\,J = \frac{CO}{Ca} = \frac{f}{h} = \frac{7\,cm}{6\,cm} = 1{,}16$

4. $CoT\,J = \frac{Ca}{CO} = \frac{h}{f} = \frac{6\,cm}{7\,cm} = 0{,}85$

5. $Sec\,J = \frac{h}{Ca} = \frac{i}{h} = \frac{9{,}2\,cm}{6\,cm} = 1{,}53$

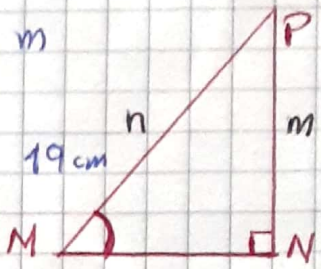
6. $CSC\,J = \frac{h}{CO} = \frac{i}{f} = \frac{9{,}2\,cm}{7\,cm} = 1{,}31$

Encontrar las razones Trigonométricas para el ángulo H

# RAZONES TRIGONOMÉTRICAS

No se conoce m

Teo. Pitágoras




$n^2 = m^2 + p^2$

$n^2 = m^2 + (14\,cm)^2$

$(19\,cm)^2 = m^2 + (14\,cm)^2$

$361\,cm^2 = m^2 + 196\,cm^2$

$361\,cm^2 - 196\,cm^2 = n^2$

$\sqrt{165\,cm^2} = \sqrt{m^2}$

$12{,}8\,cm = m$

$\angle M$
$CO = m$
$Ca = p$
$hp = n$

**SOH CAH TOA**

1. $Sen\,M = \frac{CO}{H} = \frac{m}{n} = \frac{12{,}8\,cm}{19\,cm} = 0{,}67$

2. $Cos\,M = \frac{Ca}{H} = \frac{p}{n} = \frac{14\,cm}{19\,cm} = 0{,}73$

3. $Tan\,M = \frac{CO}{Ca} = \frac{m}{p} = \frac{12{,}8\,cm}{14\,cm} = 0{,}91$

4. $CoT\,M = \frac{Ca}{CO} = \frac{p}{m} = \frac{14\,cm}{12{,}8\,cm} = 1{,}09$

5. $Sec\,M = \frac{H}{Ca} = \frac{n}{p} = \frac{19\,cm}{14\,cm} = 1{,}35$

6. $CSC\,M = \frac{H}{CO} = \frac{n}{m} = \frac{19\,cm}{12{,}8\,cm} = 1{,}48$

Hallar las Razones Trigonométricas para el ángulo P.

Escaneado con CamScanner