

Exercicio 1: Seno

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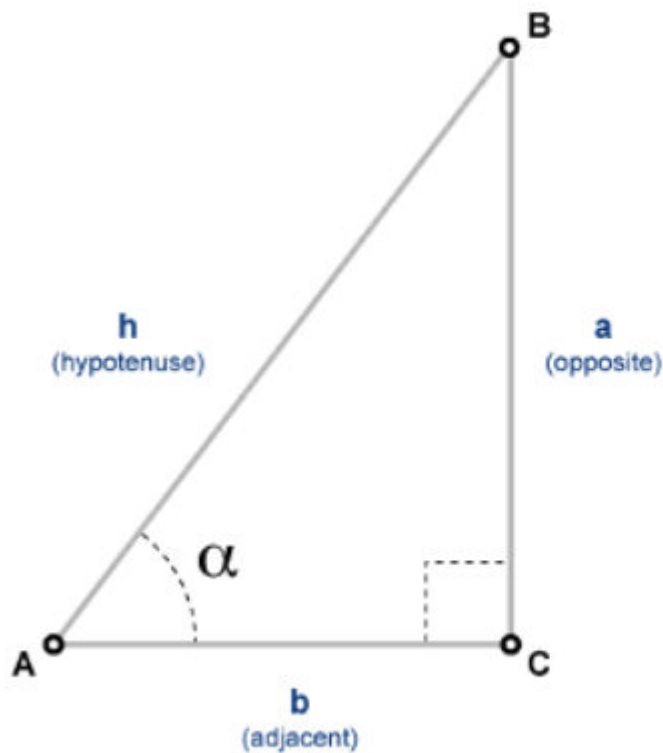
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Definição:

Sine Function

The sine of an angle, α , defined with reference to a right angled triangle is

$$\sin(\alpha) = \frac{\text{opposite side}}{\text{hypotenuse}} = \frac{a}{h}.$$



The sine of a complex argument, α , is

$$\sin(\alpha) = \frac{e^{i\alpha} - e^{-i\alpha}}{2i}.$$

Resolução:

Calcule a função seno de x:

```
% Exercício Script Gráfico da função seno
```

```
x = -2*pi:0.1:2*pi;  
y = sin(x);  
plot(x,y)  
legend ('sin x')  
title ('Sin X')  
grid on
```

