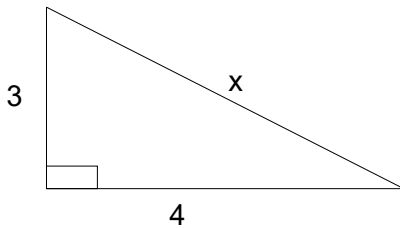


EXAMEN FINAL-1RO

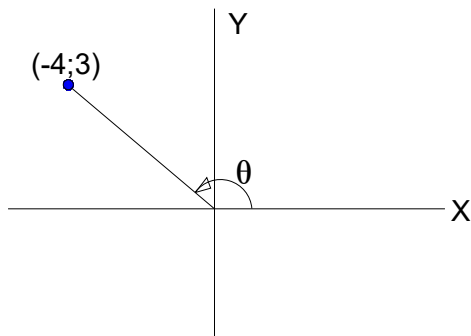
Área:.....
Estudiante:.....
Grado:.....Sección:.....
Correo:.....

PREGUNTAS

1. Del gráfico, halle el valor de x.



2. Del gráfico, calcule $\tan \theta$



3. Calcular: $\sin 30^\circ + \sec 60^\circ$

4. Calcular $\tan 45^\circ + \cot 45^\circ$

5. Calcular $\cos 53^\circ$

6. Simplifique: $E = \tan x \cdot \cot x + 2$

7. Simplificar: $E = \tan x \cdot \sec x \cdot \cot x \cdot \cos x$

8. Reduzca $T = \tan x \cdot \cot x + \csc x \cdot \sin x$

9. Indicar (V) o (F)

- I. $\sin^2 x + \cos^2 x = 1$()
II. $1 + \tan^2 x = \sec^2 x$()
III. $1 + \cot^2 x = \csc^2 x$()

10. Indicar (V) o (F)

- I. $\tan x = \frac{\sin x}{\cos x}$ ()
II. $\cot x = \frac{\cos x}{\sin x}$ ()
III. $\sin x \cdot \csc x = \tan 45^\circ$ ()