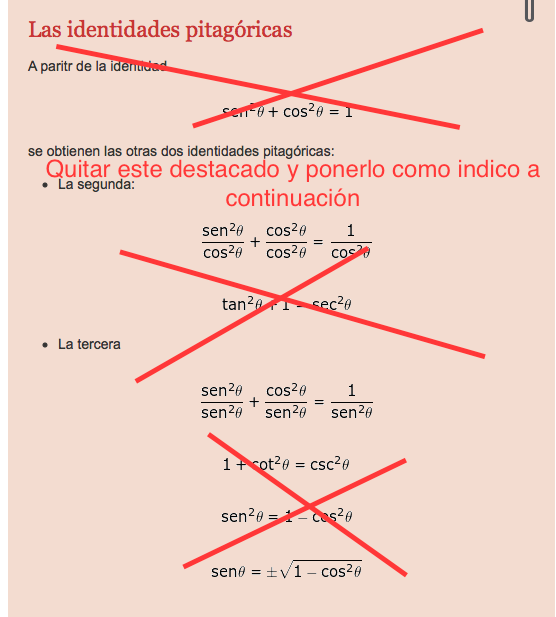
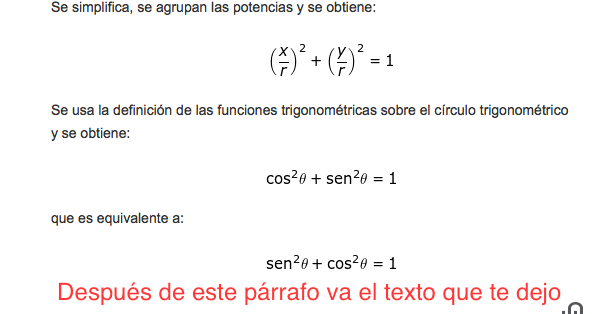


sen2 *x* + cos2 *x* = 1





Al dividir la expresión anterior entre coseno cuadrado del ángulo, se tiene que:

MA\_10\_04\_CO\_14

Lo que es equivalente a la identidad:

MA\_10\_04\_CO\_15

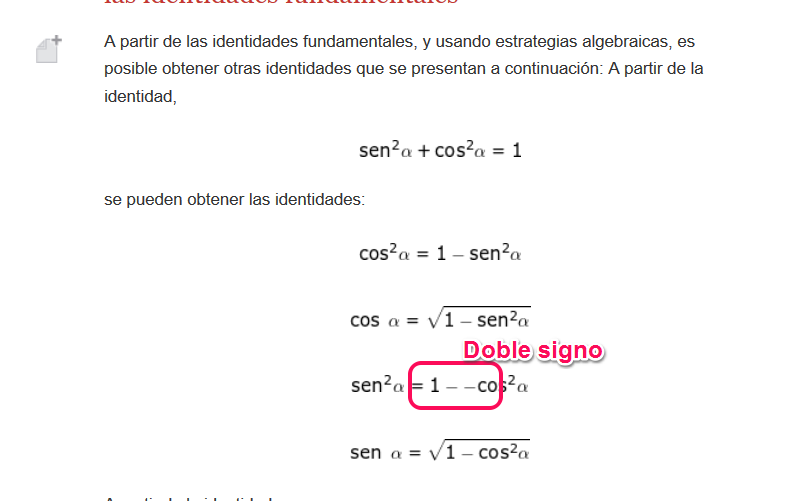
Ahora, al dividir la misma expresión entre seno cuadrado del ángulo, se tiene que:

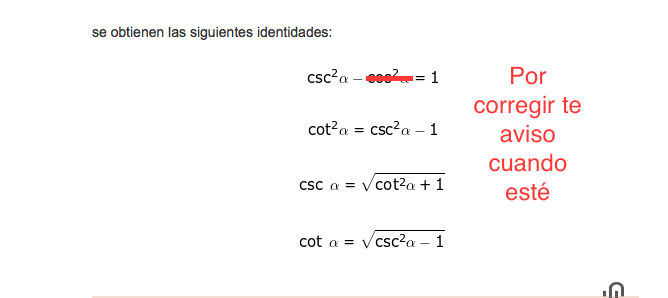
MA\_10\_04\_CO\_16

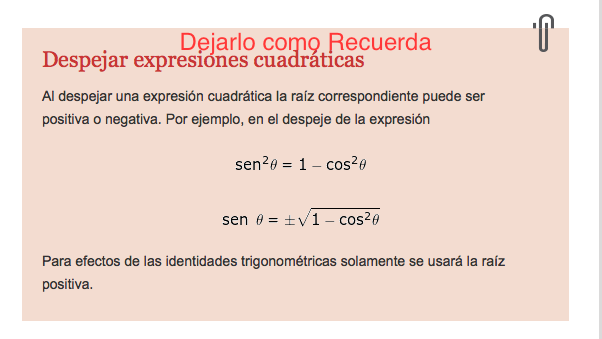
De esta igualdad se obtiene:

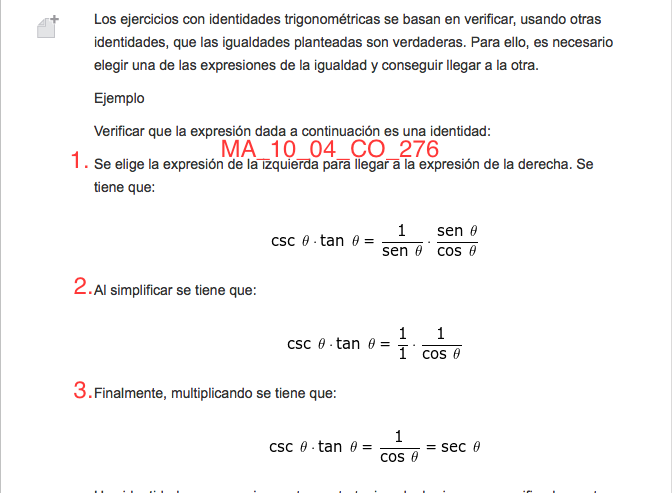
MA\_10\_04\_CO\_17

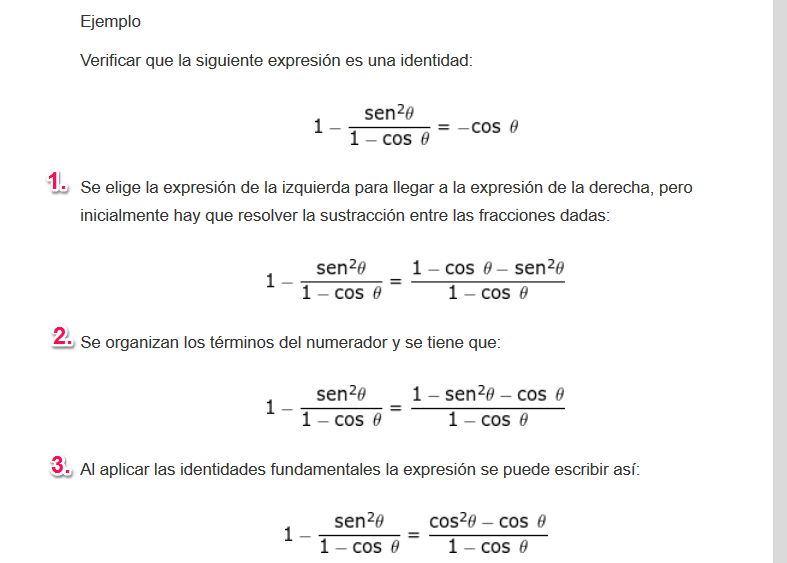
|  |  |
| --- | --- |
| **Destacado** | |
| **Título** | **Las identidades pitagóricas** |
| **Contenido** | Las siguientes son las identidades Pitagóricas:  MA\_10\_04\_CO\_13  MA\_10\_04\_CO\_15  MA\_10\_04\_CO\_17 |

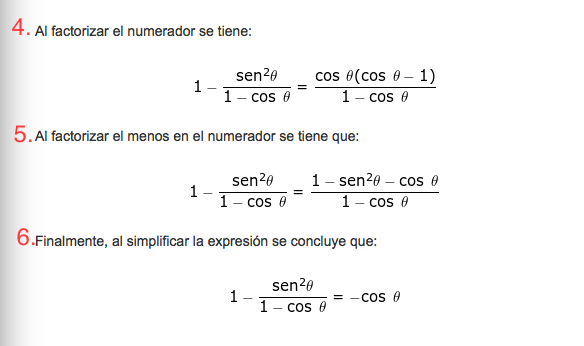


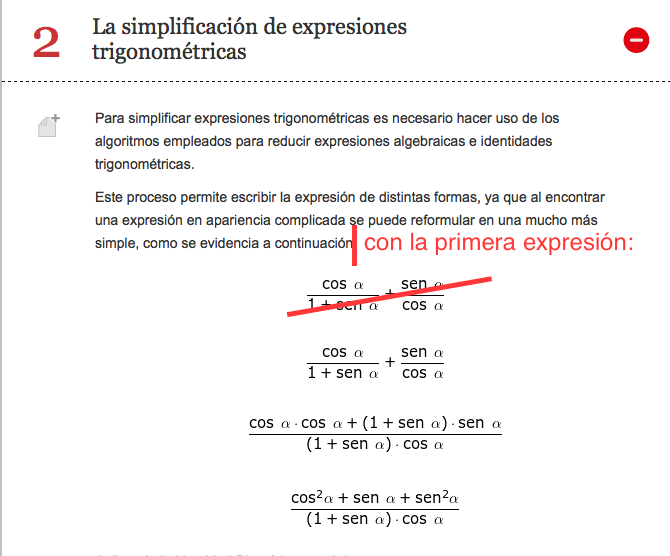


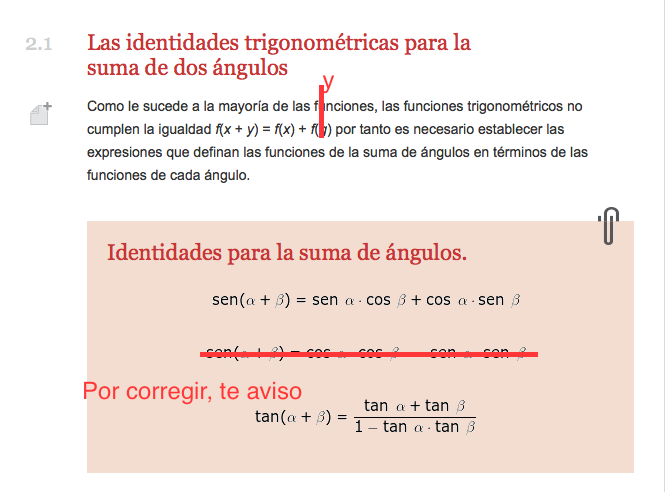


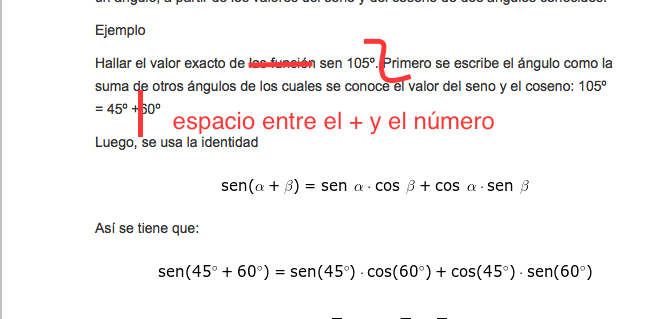


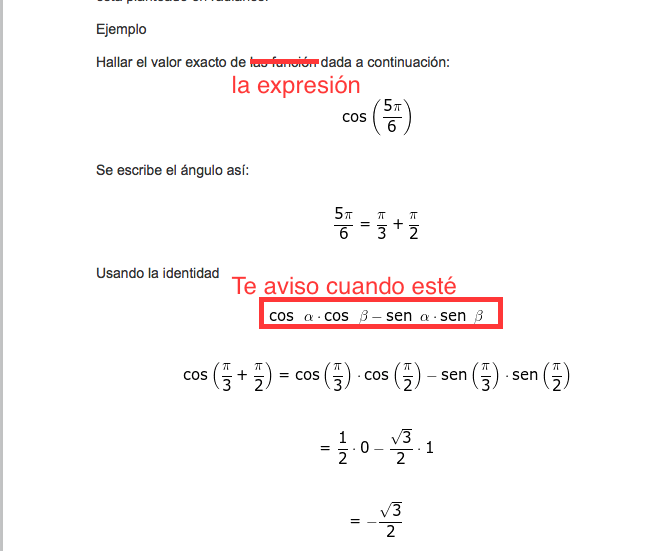


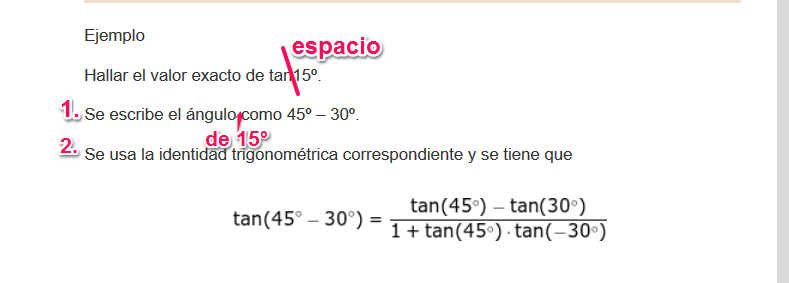


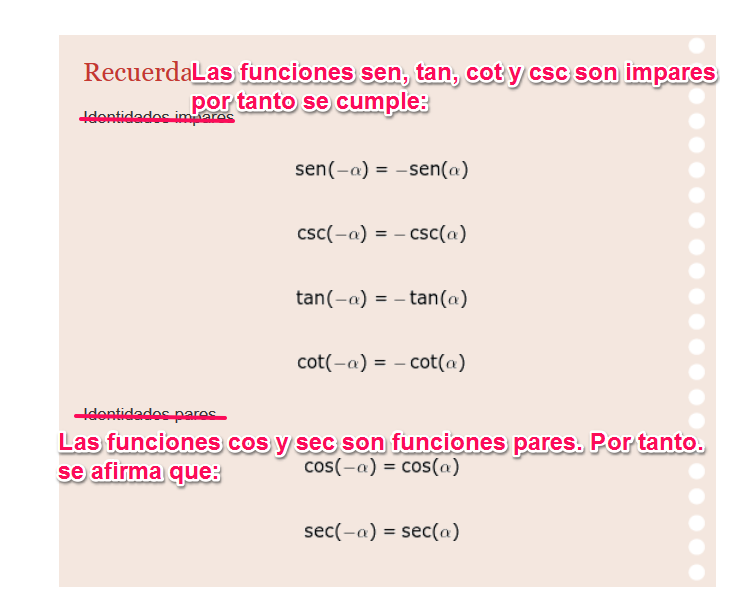


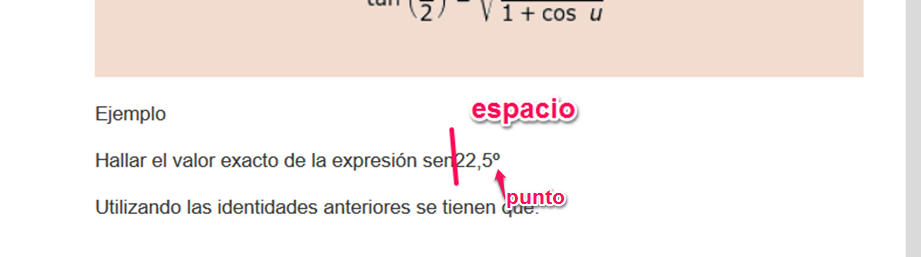


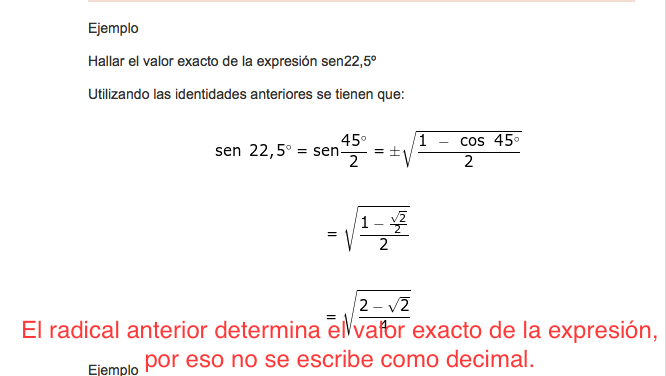




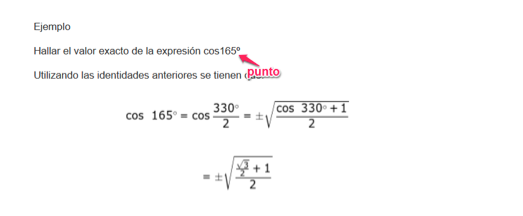


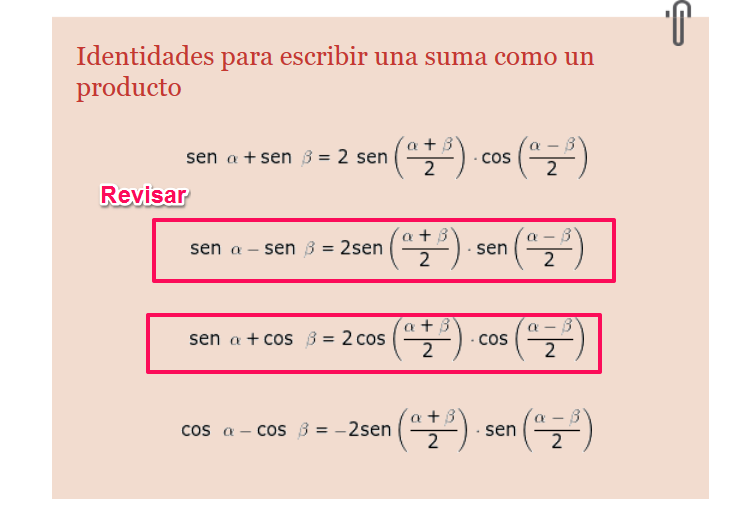




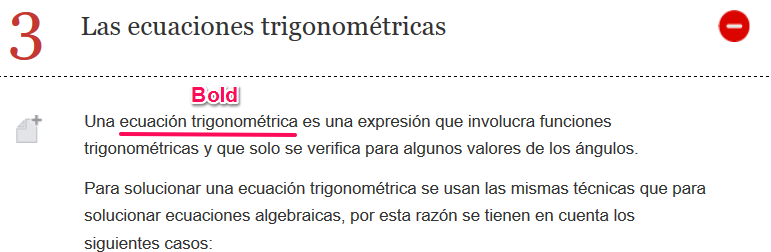


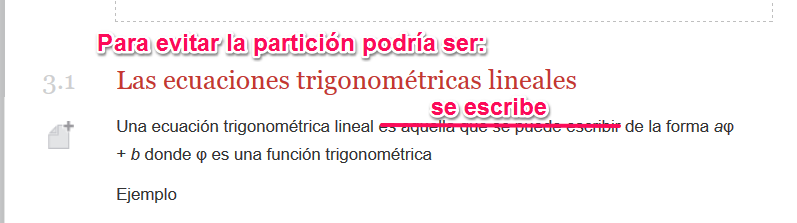
El radical anterior determina el valor exacto de la expresión, por eso no se escribe como decimal.

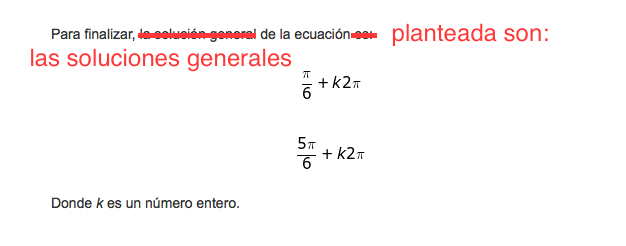


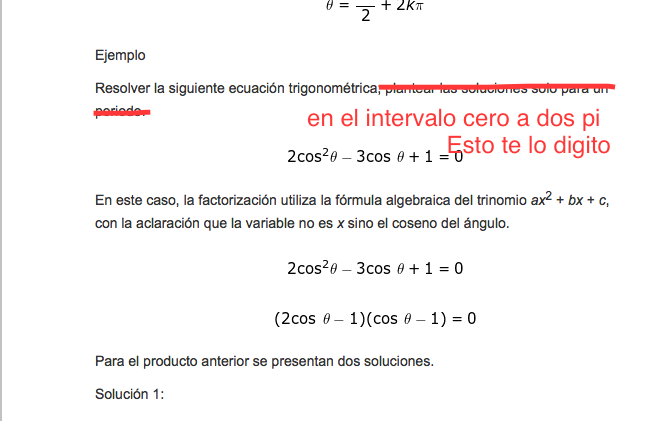


OJO TE AVISO CUADO ESTÉN ya las mande digitar

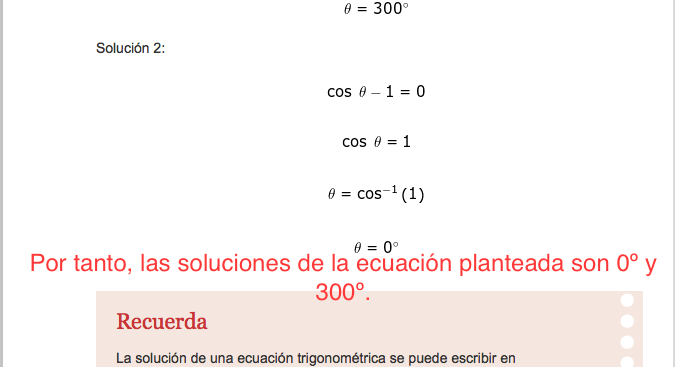




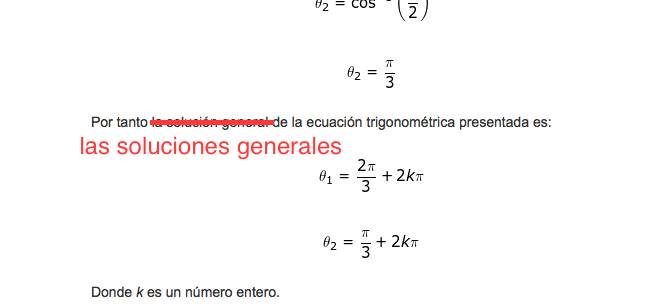


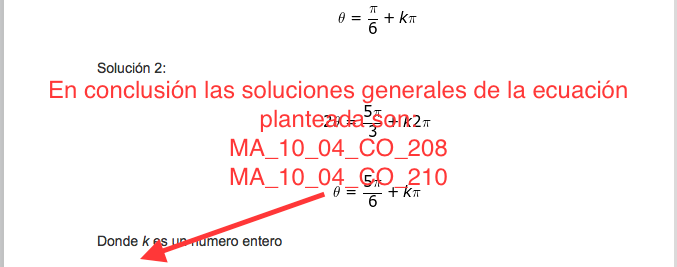


en el intervalo [0, 2π]

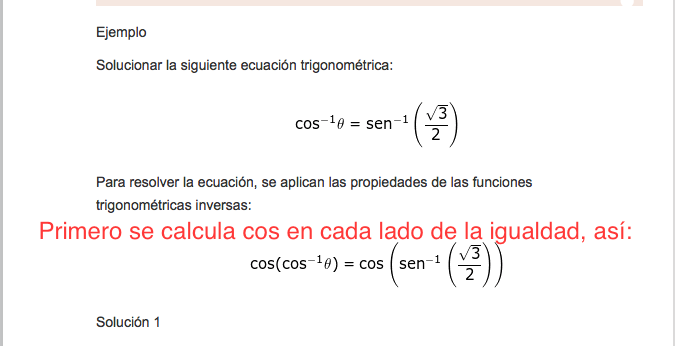


Por tanto, las soluciones de la ecuación planteada so 0º y 300º.

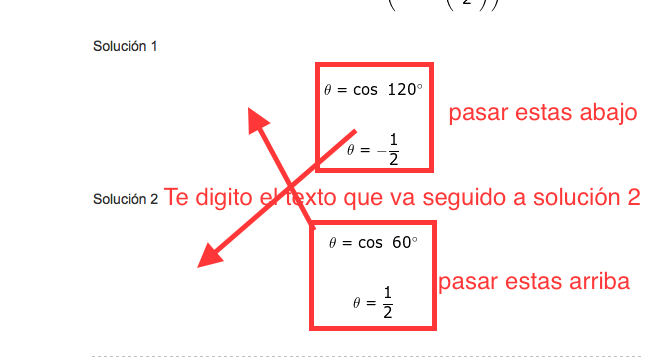




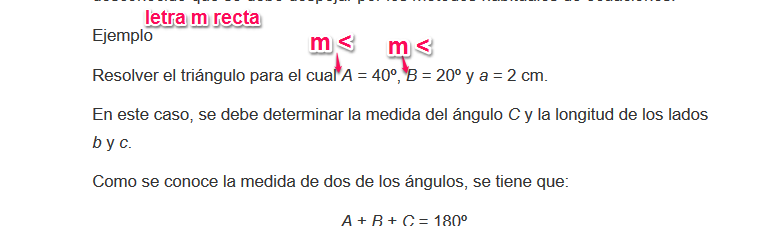
ESTAS FORMULAS SI ESTAN

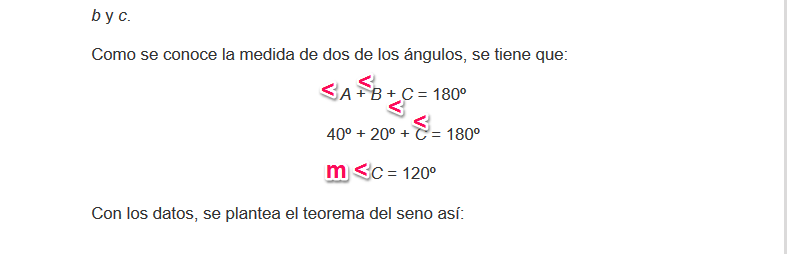


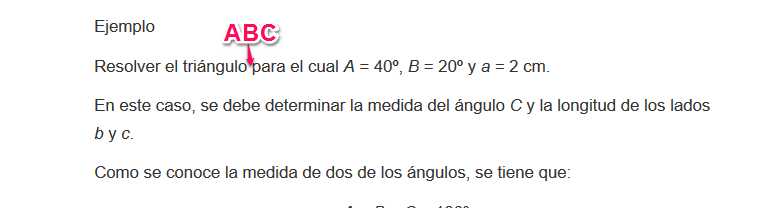
Primero se calcula coseno en cada lado de la igualdad, así:

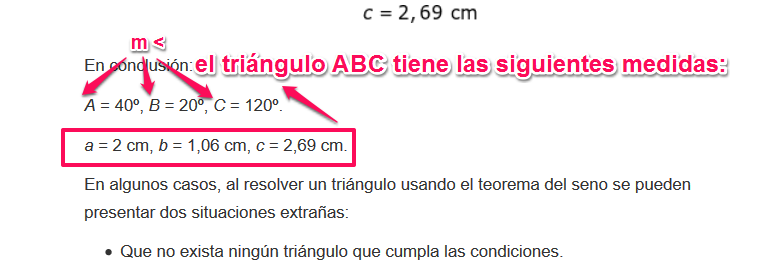


Solución 2. Para esta solución se tiene en cuenta que la función tiene el mismo valor para un ángulo en el segundo cuadrante, así:

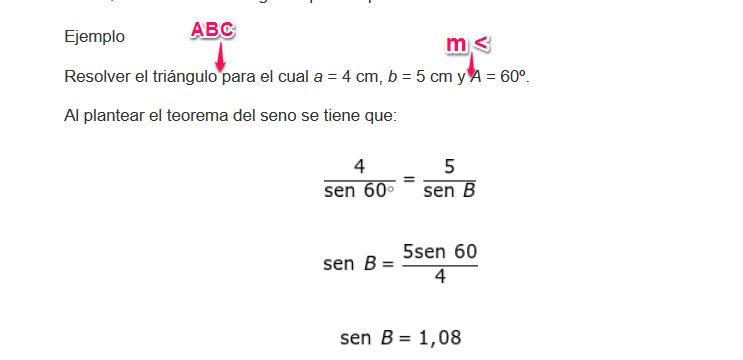


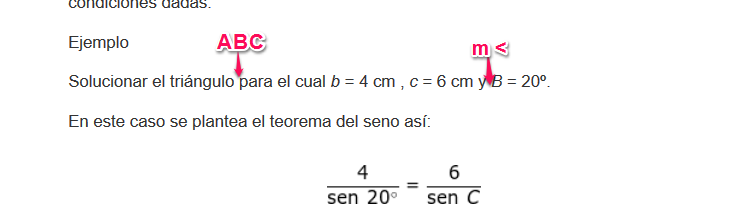


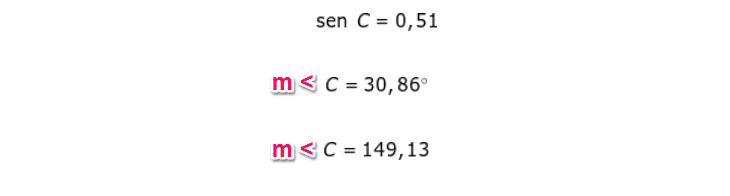


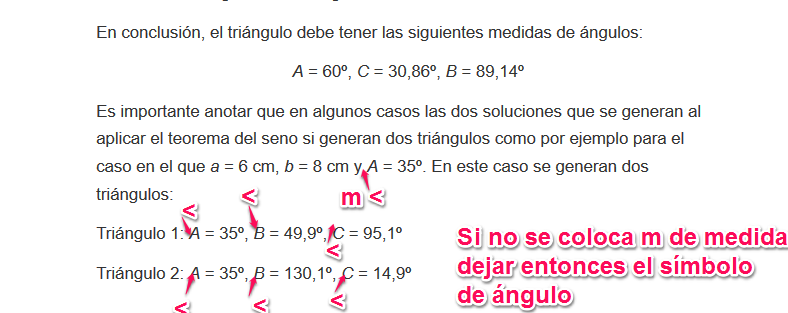


el triángulo *ABC* tiene las siguientes medidas:

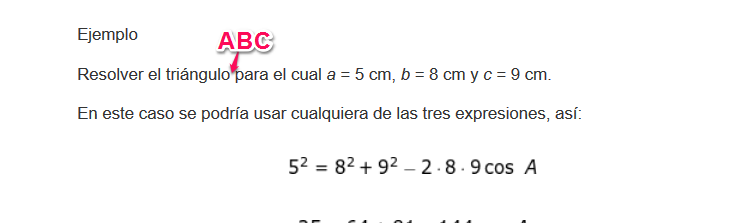


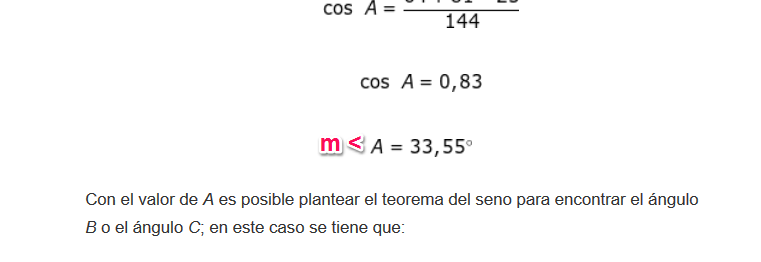


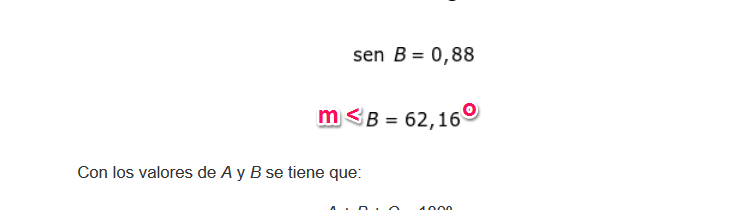


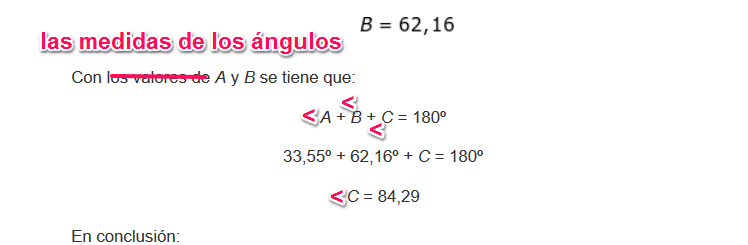


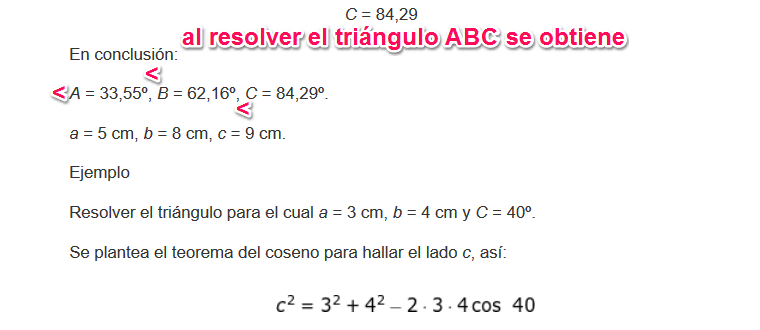
DEJAR EL SIMBOLO DE ÄNGULO

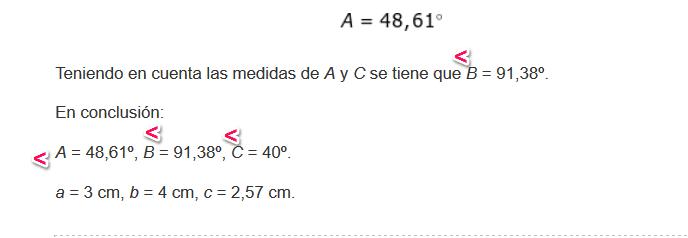


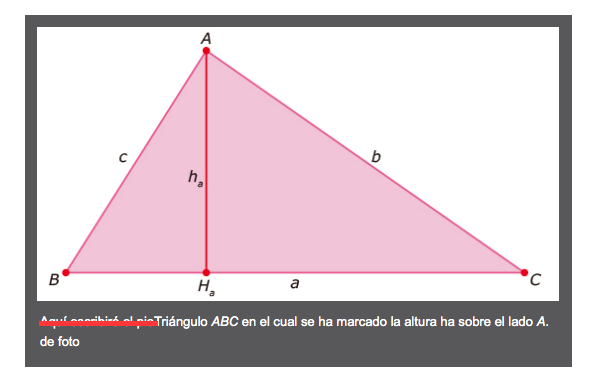


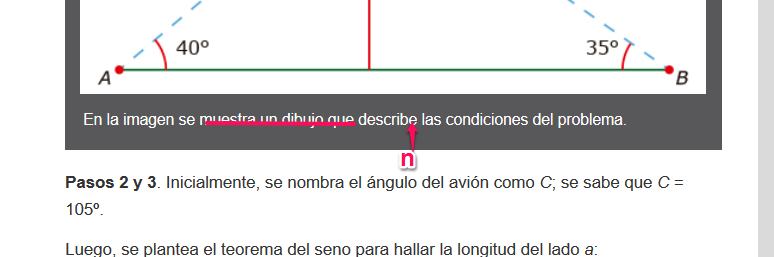


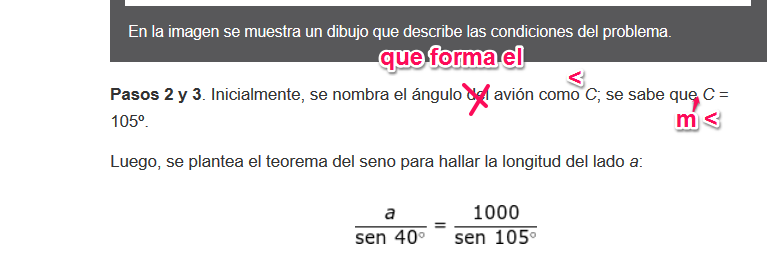


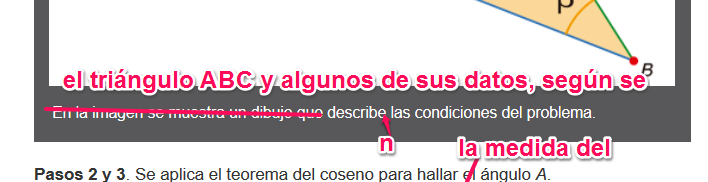




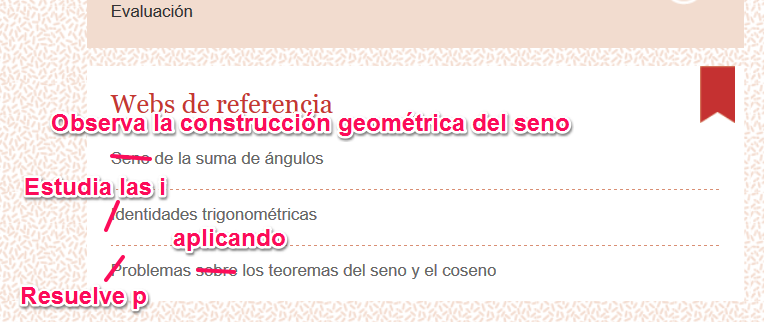


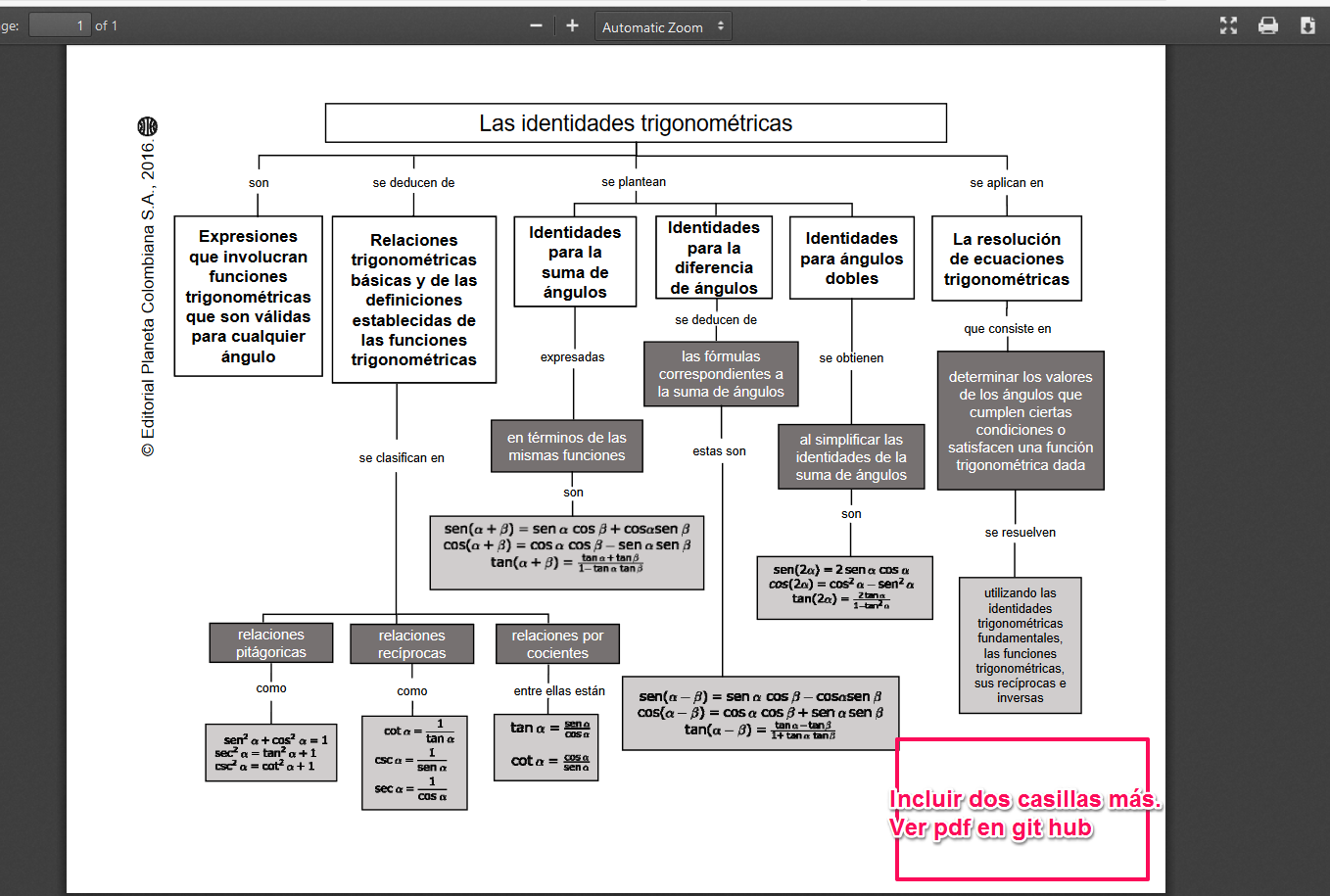






El triángulo ABC y algunos de sus datos, según se





se﷽﷽﷽﷽﷽y algunos de sus datos, segsexacto de la expresi