

In[ \* ]:= FullSimplify[Limit[Integrate[Sqrt[A^2 - y^2]/(x - y),  
 [simplifica compl... [límite [integra [raíz cuadrada  
 {y, -A, A}, PrincipalValue -> True, Assumptions -> x < A], A -> Infinity]]  
 [valor principal [verda... [asunciones [infinito

Out[ \* ]:=  $\pi x \text{ if } x > 0$

In[ \* ]:=