

(+1) **Help Renfield Summon Dracula for His Cool Sherry**

This saga is a continuation of the activity regarding [Dracula's wish for a cool Sherry](#).

Sink your teeth into this Rhino Participation Bonus:

Because Sherry works in a remote Transylvanian castle, it takes a very long time for the authorities to arrive.



The Count commands his servant, [Renfield](#), to keep Sherry chilling in the wine cellar until her rate of cooling is decreasing at a mere 0.14°F per hour.

a. Assume Sherry was discovered at precisely 10:00 A.M.

What clock time should Renfield summon his master for a chilled Sherry to meet the above requirements?

: .M.

↑ Enter an **A** or a **P** in the blank.

You will need to complete part **b** correctly to earn any credit for part **a**.

b. Dracula requires Renfield to justify that part **a** is the precise clock time

by reporting the **exact** number of hours that Sherry must be chilling after her time of discovery.

You will need to solve an equation **algebraically**. Show your work.

$t =$ hrs

“Your **exact** answer should involve a logarithm.”

