12/6/99

~~$L = 30$ ft~~
~~$W = 35$ ft~~

~~$H(0) = 40$ ft~~

~~$H(t) = (40 - 13)$ ft $= 2$~~

~~.569 hr~~

$\left(\frac{8}{12}\right)^2 = .444$ .57 hr

$\left(\frac{7}{12}\right)^2 = .340$ .75 hr

$\left(\frac{6}{12}\right)^2 = .25$ 1.01 hr

$\left(\frac{5}{12}\right)^2 = .17$

$\left(\frac{2}{12}\right)^2 = .028 \rightarrow 9.1$ hr

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