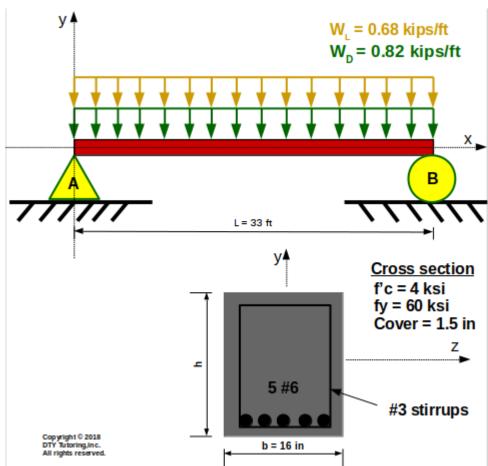


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Date: 22<sup>nd</sup> December 2018

Find the required height, h, of the reinforced concrete cross section for the simply supported beam with a uniform live and dead load (self-weight included) as shown below, assuming that the steel has yielded (use factored loads).



Answers (refer to solutions for detail)

h = 33 in