

question	2 views
<div>Daily Challenge 19.1</div> <div>(Due: Monday 11/19 at 12:00 noon Eastern)</div> <div>This is the last easy challenge (exercise). Tomorrow I'll go back to posting serious problems.</div> <div>(1) Exercise: one more boring calculation.</div> <div>Compute $\int_{-1}^2 x^4 dx$ using the FTC.</div> <div>daily_challenge</div> <div>Updated 5 months ago by Christian Ferko</div>	
<div>the students' answer, where students collectively construct a single answer</div> <div>Final boring problem; by the FTC we subtract the antiderivative at b and a;</div> <div>$\frac{1}{5}2^5 - \frac{1}{5}(-1)^5 = \frac{32}{5} + \frac{1}{5} = \frac{33}{5}$</div> <div>Updated 4 months ago by Logan Pachulski</div>	
<div>the instructors' answer, where instructors collectively construct a single answer</div> <div>By an utter triviality,</div> <div>$\int_{-1}^2 x^4 dx = \left[\frac{x^5}{5} \right]_{-1}^2 = \frac{2^5}{5} - \frac{(-1)^5}{5} = \frac{33}{5}.$</div> <div>Updated 4 months ago by Christian Ferko</div>	
<div>followup discussions for lingering questions and comments</div>	