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(d) For $t \geq 30$, $L(t)$, the linear approach to A to $t = 30$, is a better model for the amount of grass scraps left in the bin. Use $L(t)$ to predict how long there will be 0.5 pounds of grass scraps remaining in the bin. Show the work that leads to your answer. Show solutions step by step AP Calculation AB 2014 Free Answer Question 2 2. R is the region attached by the chart of $f(x) = x^4 - 2.3x^3 + 4$ and the horizontal line $y = 4$, as shown in the figure above. (a) Find the volume of the generated solid when R is rotated over the horizontal line $y = -2$. (b) Region R is the basis of a solid. For this solid, each cross section perpendicular to the x axis is an isosceles right triangle with a leg in R . Find the volume of the solid. (c) The vertical line $x = k$ divides R into two regions with equal areas. Type, but do not solve, an equation that involves integral expressions whose solution gives the value k . 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Use a trapezoidal sum with three subintervals indicated by the table to approximate the position of the train at the time $t = 12$. (d) A second train B, travels north from The Station of Origin. At the moment t train speed B is given by $VB(t) = -5t^2 + 60t + 25$ and at the time $t = 2$ the train is 400 meters north of the station. Find the speed, in meters per minute, in which the distance between train A and train B is changing at the moment $t = 2$ Show solutions step by step AP Calculation AB 2014 Free answer question 5 Show solutions step by step AP Calculation AB 2014 Free reply question 6 Show step-by-step solutions Try the free math calculator and problem solver below to practice various mathematical topics. Try certain examples or type your own problem and check your answer with step-by-step explanations. We welcome your comments, comments and questions about this site or page. Please send your comments or queries through our comments page. 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Use a trapezoidal sum with three subintervals indicated by the table to approximate the position of the train at the time $t = 12$. (d) A second train, train B, travels north from the home station. At the moment t train speed B is given by $VB(t) = -5t^2 + 60t + 25$ and at the time $t = 2$ the train is 400 meters north of the station. Find the speed, in meters per minute, in which the distance between train A and train B is changing at the moment $t = 2$ Show solutions step by step AP Calculation AB 2014 Free answer question 5 Show solutions step by step AP Calculation AB 2014 Free reply question 6 Show step-by-step solutions Try the free math calculator and problem solver below to practice various mathematical topics. Try certain examples or type your own problem and check your answer with step-by-step explanations. We welcome your comments, comments and questions about this site or page. Please send your comments or queries through our comments page. 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