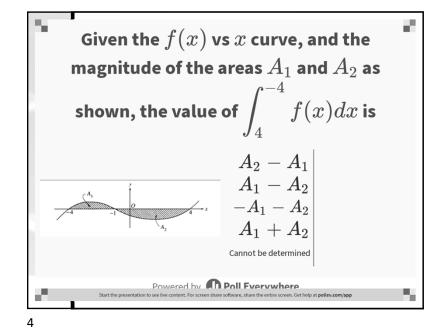
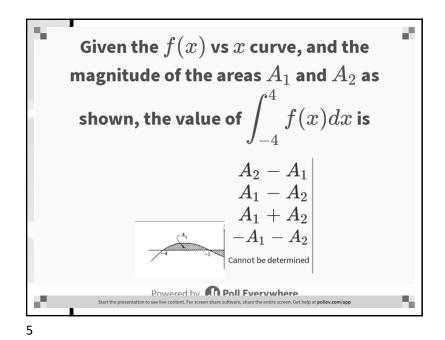


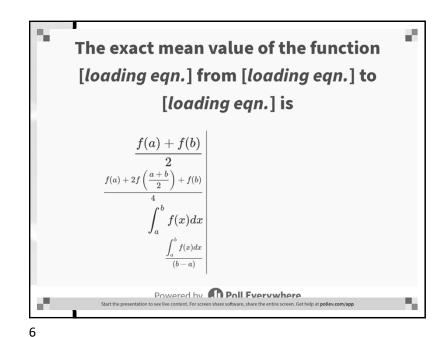
Integration  $I = 4 \int\limits_0^1 \sqrt{1-x^2} \, dx$  As difficult a problem as thou finding quadrature of a circle



3

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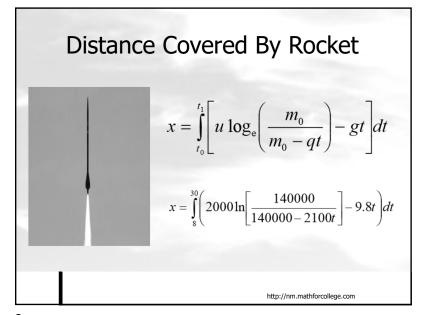


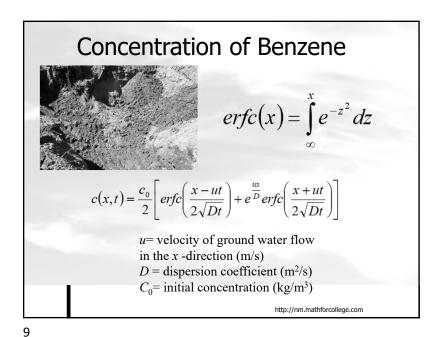


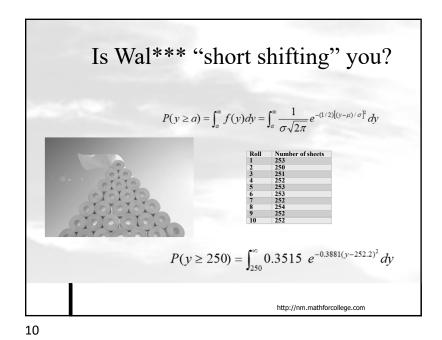
PHYSICAL EXAMPLES

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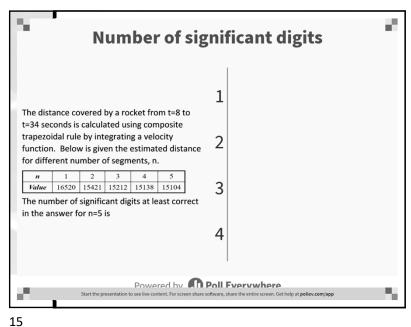
Calculating diameter contraction for trunnion-hub problem  $\Delta D = D \int_{T_{700M}}^{T_{910M}} \alpha dT$   $\frac{1}{T_{700M}} \frac{1}{T_{700M}} \frac{1}{T_{700$ 

TRAPEZOIDAL RULE

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A composite trapezoidal rule of integration with 2 segments is exact for integration of polynomials of order of at most Powered by Poll Fvervwhere

In composite trapezoidal rule, the number of segments needed to get the exact value for a general definite integral	
1	
2	
1 googol	
infinite	
Powered by Poll Fvervwhere  Start the presentation to see live content. For screen share software, share the entire screen. Get help at pollev.com/app	

In a composite trapezoidal rule with 8 segments, the number of points at which the function is evaluated is

8
9
16
17

17

18

