

1. (1 pt) alfredLibrary/AUCI/chapter8/lesson7/quiz/definiteint.pg
Use your calculator to evaluate the integral.

$$\int_{1}^{2} \sqrt{t} \ln t \, dt = \underline{\hspace{1cm}}$$

2. (1 pt) alfredLibrary/AUCI/chapter8/lesson7/quiz/rect1pet.pg Suppose an object is moving along a line with velocity  $v(t) = t^2 - 4t + 3$  miles per hour.

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Use your calculator to find the displacement and the total distance traveled by the object during the time interval $[0,8]$ .
Displacement = miles
Total distance traveled = miles