

Answers - Interpreting Integrals

1. foot pounds

2. meters/second

3. dollars

4. $\int_0^{60} f(t)dt$

5. The difference in the mass of the two stars in after the first century

6. $\int_0^5 10e^{0.2t} dt \cong 85.9$ gallons

7. $5 + \int_0^1 v(t)dt = 5 + 8\frac{1}{3} = 13\frac{1}{3}$ km