

Problem Set 95

2. 4π joules

4. twice

6a. $T_4 = \frac{681}{32}$

b. 21; (a) is $\frac{9}{32}$ too large

c. $\frac{9}{32}$

d. $n = 68$

8. $\frac{97}{72}$

10. $-\frac{2\sqrt{3}}{3}$

12. does not exist

14. 1

16. $y = -\frac{1}{x^2}$

18. $c = \pm 1.3$

20. $\frac{3}{4} \arctan \frac{x}{4} + C$

22. 1

24. $c = \frac{\pi}{6}$