

Turn in starred problems Wednesday 11/09/2016.

The second exam will be on Monday, November 21.

Section 17.2: 5: all parts.

12: all parts, but turn in only (d)*, (j)*, (o)*, (p)*; justify your answers.

Section 17.3: 1, 4 (a), (c), (f)*, (k), (l)*, 16 (c)*

9.A* Let

$$F(t) = \begin{cases} 50, & \text{if } -8 < t < -2, \\ 0, & \text{if } -2 \leq t \leq 4. \end{cases}$$

Solve problem 17.3:18 for this function $F(t)$. (Note that we studied this function in Problem 17.3.4(f), so that you can use the solution to that problem here without recomputing it.)

Comments, hints, instructions:

1. 17.2.12 (j). (o), and (p) are a bit tricky—think carefully.
2. 17.3 4(l) is easy, if you use the formula hint. With this hint the problem can be done by inspection: **think before you compute, and you won't have to compute.** Note that this problem is related to 17.2 12(j).