Math 120a – Practice Final 2 answers

1. (a) 2

   (b) Does not exist.

   (c) 0

2. $\dfrac{15}{\sqrt{14}}$

3. The absolute maximum is $1/4$ at $(1/2, 1)$; the absolute minimum is -2 at $(2, 1)$.

4. $\dfrac{1}{4}(e - 1)$

5. 72

6. 640π

7. -18

8. $\dfrac{1}{2}\ln(9)$

9. 2π

10. (a) $112\pi/3$

    (b) 0

11. 0