ANSWERS TO PRACTICE FOURTH IN-CLASS EXAM

1. (a) \( y = \pm \sqrt{C + x^2} \).
   (b) \( y = x \).

2. \( \frac{t^3}{3} - 2 \sin t + C \).

3. The area is
   \[
   \sum_{i=1}^{6} \left( \left(-1 + \frac{3i}{6}\right) + 1 \right) \frac{3}{6} = \frac{21}{4}.
   \]
   (It’s OK to write \( \frac{1}{2} \) instead of \( \frac{3}{6} \).)

4. Click here to link to the graph.