

Math 121 – Sample 3, Exam 2 Answers

1. (a) even
(b) negative
(c) $x = -0.5$ (odd), $x = 0$ (odd), $x = 1$ (even)
(d) 4
2. $2 + i, \frac{7}{3}$
3. (a) $x = \frac{1}{3}$
(b) $x = -\frac{4}{5}$
(c) no holes
(d) $y = -\frac{3}{5}$
4. $x > 1$
5. (a) $-1 + 3i$
(b) $a^{25/3}b^{5/3}$
(c) $\ln x$
6. $x = \frac{1}{8}$
7. $r = 4.77\%$