

## Math 276 Discussion Worksheet 16

1. a.  $-i$    b.  $16$    c.  $z = 2e^{\frac{2\pi i}{3}k}, k = 0, 1, 2$    d.  $1 + (2k + 1)i, k \in \mathbb{Z}$    e.  $-1 \pm i$

2.  $y(t) = t$

3.  $y(t) = t - \sin(t)$