

BECA / Huson / Algebra 2: Polynomials Jan 2023 Regents Name:
23 December 2023

Regents problems: Polynomials

1. If $(6 - ki)^2 = 27 - 36i$, the value of k is
 - (a) -36
 - (b) -3
 - (c) 3
 - (d) 6

2. Does the equation $x^2 - 4x + 13 = 0$ have imaginary solutions? Justify your answer.