

Exam 2A

Question #	Form A Summer 2012	Answer
1	C	$x = \frac{1}{5} + \frac{1}{5}\sqrt{14}i, \frac{1}{5} - \frac{1}{5}\sqrt{14}i$
2	B	There are four solutions. Two are real and two are imaginary
3	E	$\left(-\frac{9}{4}, \frac{11}{4}\right)$
4	E	There is no solution for x
5	B	$-55 + 48i$
6	A	$18x + 6y = 7$
7	A	$x^2 + y^2 + 4x - 2y - 20 = 0$
8	C	See graph on exam
9	E	See graph on exam
10	A	$f(-x) = \frac{-x}{\sqrt{3-x}}; -f(x) = -\frac{x}{\sqrt{x+3}}$
11	E	$2a + h$
12	D	$\left(-\infty, \frac{4}{3}\right]$
13	B	Between 1 foot and 3 feet tall
14	D	More than 10 years
15	E	$d(t) = 2\sqrt{2,500 + 9t^2}$