Exam 2B

Question #	Form B Summer 2012	Answer
1	A	$x = \dfrac{2}{5} + \dfrac{1}{5}\sqrt{11}i, \dfrac{2}{5} - \dfrac{1}{5}\sqrt{11}i$
2	C	There are four solutions. All are real
3	B	$\left[-\dfrac{11}{6}, \dfrac{3}{2}\right]$
4	A	$(-\infty, \infty)$
5	D	$55 - 48i$
6	E	None of the above
7	E	$x^2 + y^2 - 2x + 6y - 15 = 0$
8	D	See graph on exam
9	A	See graph on exam
10	D	$f(-x) = \dfrac{-x}{\sqrt{3-x}}; \ -f(x) = -\dfrac{x}{\sqrt{x+3}}$
11	D	$2a + h$
12	B	$\left(-\infty, \dfrac{3}{4}\right]$
13	A	More than 10 years
14	B	$d(t) = 2\sqrt{2{,}500 + 9t^2}$
15	C	Between 1 foot and 3 feet tall