MA 15200 Exam 2 Answers, Fall 2011

Problem	Form A	Form B	Answer
1)	*E*	*B*	$\{3\}$
2)	*E*	*E*	None of the above. (9 ½ hr.)
3)	*A*	*D*	$0.2x + 0.6(2 - x) = 0.35(2)$
4)	*A*	*C*	$4 + 12i$
5)	*D*	*A*	$-43 + 46i$
6)	*B*	*A*	It is at least 1, but less than $\frac{3}{2}$. ($x = 1$)
7)	*A*	*D*	$x^2 + 13x - 30 = 0$
8)	*E*	*B*	3 hours
9)	*D*	*E*	There is one positive solution. ($x = 3$)
10)	*A*	*A*	
11)	*D*	*C*	(2, 2)
12)	*D*	*B*	$f(x-1) = \frac{2x}{x-2}$
13)	*D*	*A*	$f(1) = 1, \quad f(4) = 2$
14)	*C*	*E*	$a = -2 + 2i, -2 - 2i$
15)	*A*	*D*	$x = 24$