

MA 15200 and MA 15200X Exam 2, Spring 2012

Problem	FormA	FormB	Actual Answer
1)	A	C	$x = \frac{24}{19}$
2)	D	D	At least 36 newspapers, but less than 42 newspapers (papers = 42)
3)	E	A	$b = \frac{3a}{3-a}$
4)	B	E	$2\frac{2}{3} \text{ hr.}$
5)	C	A	$-40 - 42i$
6)	C	D	$x = \frac{3}{2} + \frac{\sqrt{29}}{2}$
7)	E	B	$\left(x - \frac{15}{2}\right)^2 = \frac{221}{4}$
8)	B	E	$x^2 - 60x - 350 = 0$
9)	E	B	$x$ is between 3.9 and 4.8 ( $x = 4$ )
10)	E	D	There are two solutions, both positive values. (1 and 3)
11)	B	C	$x = 5, -5, 2, -2$
12)	D	E	I and III only
13)	C	A	$(-1, 3]$
14)	A	D	The $x$ -intercept is -5 and the $y$ -intercept is 4.
15)	A	B	$\left(\frac{5}{2}, -\frac{1}{2}\right)$