

MA 15200X Exam 2 Answers Fall 2010

Problem	Form A (green)	Form B (orange)	Actual Answer
1)	C	D	$2\frac{1}{2}$ hours
2)	E	B	$-18-16i$
3)	B	E	$7-4i$
4)	D	A	$x = \frac{2}{3}$
5)	B	D	$x = 4 + 2\sqrt{2}, 4 - 2\sqrt{2}$
6)	A	C	There is one distinct rational solution. ($x = 9$)
7)	C	A	The width is between 13 and 17 inches. (15 inches)
8)	A	E	$x^2 - 200x + 3200 = 0$
9)	A	C	$x = 18$
10)	C	B	There are two positive solutions. ($x = 2, 18$)
11)	E	D	$\left(-\infty, -\frac{48}{5}\right)$
12)	D	B	Between 24 and 27 months $\left(x > 25\frac{4}{5}\right)$
13)	B	D	3 m
14)	E	E	None of the above. (x -intercepts: -5, -2, and 3 y -intercept: 2)
15)	D	A	II only