

MA 11100 Exam 3 Answers, Fall 2009

<u>Problem</u>	<u>Form A</u>	<u>Form B</u>
1.	D I and III only	A One solution is zero, the other is negative. (-2)
2.	B $2x + a$	C I and III only
3.	E $4x^2 + 2x + 1$	B $4x^2 + 2x + 1$
4.	B $3x^2(3x + 2)(3x - 2)$	E $2x + a$
5.	C $g^2 - 10gh + 25h^2$	D $3x^2(3x + 2)(3x - 2)$
6.	D One solution is zero, the other is negative. (-2)	B $\frac{5x + 2}{x(x + 1)}$
7.	C $x^2 - 19x + 42 = 0$	A $g^2 - 10gh + 25h^2$
8.	A $\frac{x - 4}{x}$	A $x^2 - 19x + 42 = 0$
9.	E $\frac{5x + 2}{x(x + 1)}$	D $n(n + 2)(n - 2)^2$
10.	A $n(n + 2)(n - 2)^2$	C $\frac{x - 4}{x}$
11.	C The solution is at least -4 , but less than 0 . ($x = -4$)	E 6 hours
12.	C 6 hours	D The solution is at least -4 , but less than 0 . ($x = -4$)
13.	B $\frac{3}{x - 1} = \frac{5}{x + 1}$	B $y = \frac{16}{3}$
14.	D $y = \frac{16}{3}$	A $\sqrt{0.0049} = 0.7$
15.	B $\sqrt{0.0049} = 0.7$	E $\frac{3}{x - 1} = \frac{5}{x + 1}$