

Answers MA 15200X Exam 1

Problem	Form A	Form B
1	B I and II only	D I and II only
2	C $\left\{6, \frac{9}{7}, \sqrt{4}, 3.343434\dots\right\}$	A $\left\{6, \frac{9}{7}, \sqrt{4}, 3.343434\dots\right\}$
3	B $(x + y) - 4 = -4 + (x + y)$	E $(x + y) - 4 = -4 + (x + y)$
4	A underestimates by 3	C underestimates by 3
5	A $\frac{27}{2xy^9}$	D $\frac{27}{2xy^9}$
6	E 0.00156	B 0.00156
7	E $4a^2b^2c\sqrt{2a}$	C $4a^2b^2c\sqrt{2a}$
8	B 9	A 9
9	D $-x^2 - 4x + 4$	B $-x^2 - 4x + 4$
10	D $(2x + 3)(2x - 3) = 4x^2 - 9$	E $(2x + 3)(2x - 3) = 4x^2 - 9$
11	A $5x - 2$	D $5x - 2$
12	A $6a^3 + 12a^2 - 48a = 6a(a + 4)(a - 2)$	A $6a^3 + 12a^2 - 48a = 6a(a + 4)(a - 2)$
13	B $\frac{(x - 2)(x - 3)}{x}$	E $\frac{(x - 2)(x - 3)}{x}$
14	C $\frac{-5x}{(x - 6)(x + 4)(x - 1)}$	B $\frac{-5x}{(x - 6)(x + 4)(x - 1)}$
15	A $\frac{x}{5(x + 5)}$	E $\frac{x}{5(x + 5)}$