

MA 15200X Exam 2 Answers, Fall 2011

| Problem | Form A | Form B | Answer |
|----------------|---------------|---------------|--|
| 1) | <i>D</i> | <i>B</i> | $x = 4$ |
| 2) | <i>C</i> | <i>A</i> | $240w + 1120 = 4000$ |
| 3) | <i>B</i> | <i>E</i> | $b = \frac{3a}{3-a}$ |
| 4) | <i>E</i> | <i>E</i> | 3 hours or longer $\left(3\frac{1}{13} \text{ hours}\right)$ |
| 5) | <i>B</i> | <i>C</i> | $\frac{5}{26} + \frac{1}{26}i$ |
| 6) | <i>B</i> | <i>D</i> | $x = \frac{1}{2}$ |
| 7) | <i>B</i> | <i>C</i> | It has traveled 20 miles. |
| 8) | <i>B</i> | <i>A</i> | 4 seconds |
| 9) | <i>D</i> | <i>B</i> | $x = -6, x = 0$ |
| 10) | <i>C</i> | <i>A</i> | $-1 < x \leq 3$ |
| 11) | <i>A</i> | <i>D</i> | $[-2, 3]$ |
| 12) | <i>A</i> | <i>D</i> | $M\left(\frac{1}{2}, \frac{5}{4}\right)$ |
| 13) | <i>D</i> | <i>B</i> | $f(4) = 2, \quad \text{Domain: } (-\infty, 5)$ |
| 14) | <i>C</i> | <i>E</i> | $g(-2) = 2, \quad g(3) = 6$ |
| 15) | <i>C</i> | <i>D</i> | $-40 - 42i$ |