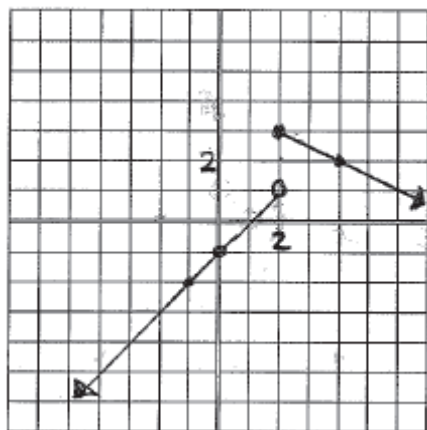


MA 15200X Exam 3 Answers  
Spring 2010

Form A

Form B



- |     |  |     |     |
|-----|--|-----|-----|
| 1)  |  | (A) | (A) |
| 2)  | Slope is $\frac{3}{20}$ .  | (B) | (D) |
| 3)  | I and III only   | (E) | (C) |
| 4)  | The moon weight is between 30 and 31 pounds. ( $\approx 30.3lb.$ ) | (B) | (A) |
| 5)  | I, II, and III   | (D) | (B) |
| 6)  | $f^{-1}(x)$ is a decreasing function.                              | (E) | (B) |
| 7)  | $(0,1), \left(-2, \frac{4}{9}\right)$                              | (D) | (C) |
| 8)  | $\log_{\frac{1}{2}}\left(\frac{1}{16}\right) = -4$                 | (C) | (E) |
| 9)  | 2.7 years  | (E) | (D) |
| 10) | She has attained 89.2% of her adult height.                        | (A) | (E) |
| 11) | $2 - \log_4 x - 2 \log_4 y$  | (A) | (D) |
| 12) | $x = 32$   | (A) | (B) |
| 13) | $x = -3$   | (C) | (A) |
| 14) | $\begin{cases} 2w + L = 53 \\ 36w + 11L = 807 \end{cases}$         | (B) | (E) |
| 15) | I and II only  | (D) | (B) |