

MA 153 Exam 3 Answers  
Spring 2002  
Form B (Orange)

1. D  $m = \frac{3}{4}; b = -2$

2. E  $D = [-4, 5]; R = [-3, 4]$

3. C  $[-4, -3] \quad \frac{1}{2}, 3$

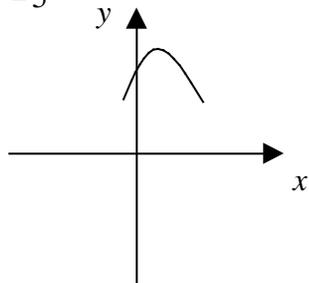
4. D  $k = -9$

5. C  $2a + h - 1$

6. A  $k = 3$

7. D  $2x^2 - 5$

8. E



9. A  $h^{-1}(x) = \frac{4x - 5}{x}$

10. B  $x = \frac{2}{5}, x = 1$

11. D  $D = \frac{3}{2}, 4; R = [-20, 30]$

12. E  $y = \frac{7}{64}(x + 3)^2 - 7$

13. B  $9x + 7(325 - x) = 2495$

14. C  $P(t) = -60t + 840$