

MA 153 Exam 3 Answers
Fall 2001

1. (a) 6
(b) $\frac{9}{2}$
(c) $10x^3 - 3$

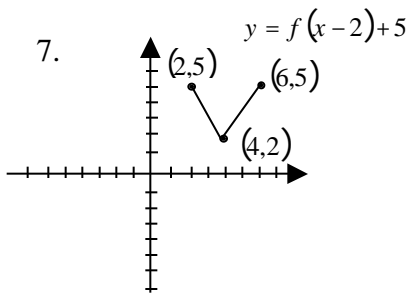
2. (a) $[-4, 2]$
(b) $[-3, 4]$
(c) $(-4, -2)$ $(1, 2]$

3. $(4, 3)$ and $(-1, -7)$

4. $g^{-1}(x) = \frac{2}{x+5}$

5. $\frac{14}{8}$ or $\frac{7}{4}$ or 1.75

6. -13



8. $2a + h - 1$

9. $y = -\frac{10}{64}(x-8)^2 + 10$

10. (a) $M = \frac{k\sqrt{I}}{T}$
(b) 8