

MA 111 Exam 2 Answers  
Spring 2001

1. B

2. A

3. D

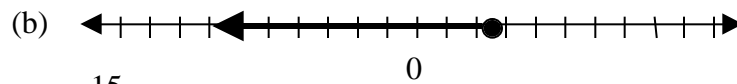
4. (a)  $\{x|-3 \leq x \leq 3\}$  or  $[-3, 3]$

(b)  $\{y|-4 \leq y \leq 1\}$  or  $[-4, 1]$

(c)  $x = -1, 2$

5.  $2x + 3y = 14$

6. (a)  $-\frac{5}{2}$



7. (a)  $-\frac{15}{2}$

(b) -44

(c)  $5 - 12a^2$

8. number children = 1500  
number of adults = 700

9.  $N(p) = 25p - 375$