

Answer Key

Testname: ARROWSMITH\_MATH103\_S08\_TEST1\_PRETEST

1)  $\{77\}$   
ID: IA10L 2.1.2-7+

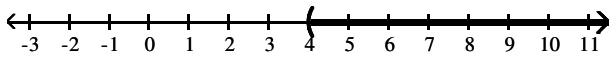
2)  $\{-29\}$   
ID: IA10L 2.1.4-5+

3)  $b_1 = \frac{2A - hb_2}{h}$   
ID: IA10L 2.2.2-6

4)  $7x - 2x = 50; 10$   
ID: IA10L 2.3.2-2+

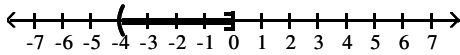
5) 863 votes  
ID: IA10L 2.3.5-4+

6)  $(4, \infty)$



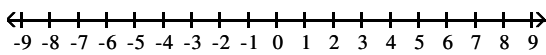
ID: IA10L 2.5.2-5

7)  $(-4, 0]$



ID: IA10L 2.5.3-4+

8)  $\emptyset$

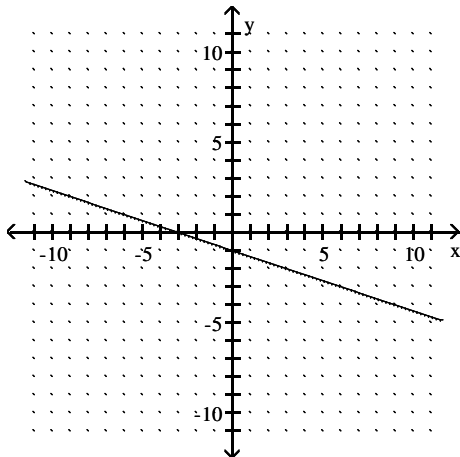


ID: IA10L 2.6.3-9+

9)  $\{-39, -9\}$   
ID: IA10L 2.7.1-7

10)  $[-5, 1]$   
ID: IA10L 2.7.4-3+

11)  $(-3, 0); (0, -1)$



ID: IA10L 3.1.6-2+

12)  $\left(0, \frac{1}{2}\right)$   
ID: IA10L 3.1.7-3

13)  $\frac{5}{3}$   
ID: IA10L 3.2.2-3+

14) Perpendicular  
ID: IA10L 3.2.6-1+

15)  $4x - 5y = -25$   
ID: IA10L 3.3.5-4

16)  $y = -\frac{3}{7}x + \frac{31}{7}$   
ID: IA10L 3.3.7-2+

17) 7  
ID: IA10L 3.5.5-3

18)  $f(x) = \frac{5 - 5x}{-6}$   
ID: IA10L 3.5.6-1