

Answer Key

Testname: ARROWSMITH_MATH103_TEST1

1) $\left\{-\frac{9}{14}\right\}$

ID: IA11L 2.1.3-10+

2) $\{-4\}$

ID: IA11L 2.1.5-8+

3) $t = \frac{8}{c-3}$ or $t = \frac{-8}{-c+3}$

ID: IA11L 2.2.1-4

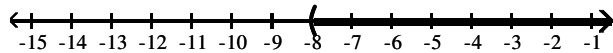
4) \$74.38

ID: IA11L 2.3.6-7+

5) 70 liters

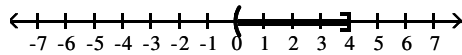
ID: IA11L 2.3.8-2+

6) $(-8, \infty)$



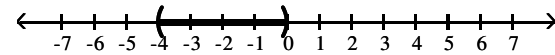
ID: IA11L 2.5.2-2

7) $(0, 4]$



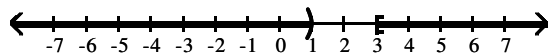
ID: IA11L 2.5.3-4+

8) $(-4, 0)$



ID: IA11L 2.6.3-3+

9) $(-\infty, 1) \cup [3, \infty)$



ID: IA11L 2.6.4-5+

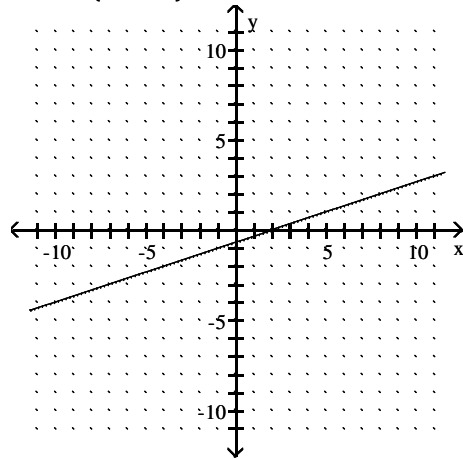
10) $\left\{1, -\frac{5}{2}\right\}$

ID: IA11L 2.7.1-6+

11) $\left\{\frac{5}{6}, \frac{11}{6}\right\}$

ID: IA11L 2.7.4-4

12) $(2, 0); \left(0, -\frac{2}{3}\right)$

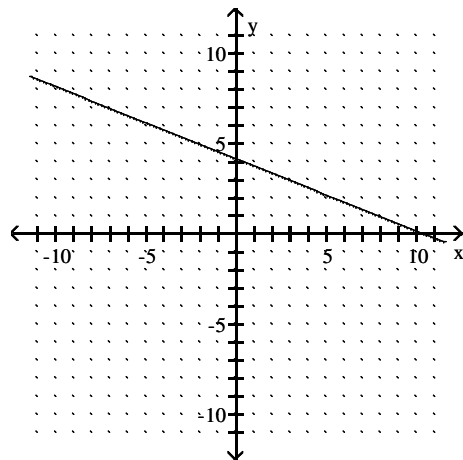


ID: IA11L 3.1.6-1

13) $\left[\frac{5}{2}, 0\right]$

ID: IA11L 3.1.7-3+

14) Slope: $-\frac{2}{5}$



ID: IA11L 3.2.4-1+

15) Parallel

ID: IA11L 3.2.6-3

16) $y = -\frac{4}{3}x + 4$

ID: IA11L 3.3.7-3

17) Not a function; domain: $(-\infty, 2]$; range: $(-\infty, \infty)$

ID: IA11L 3.5.3-3

18) 34

ID: IA11L 3.6.1-3+