

Answer Key

Testname: ARROWSMITH_MATH103_TEST1_PRETEST

1) $\{-5\}$

ID: IA11L 2.1.3-10

2) $\left\{-\frac{60}{47}\right\}$

ID: IA11L 2.1.5-8

3) $y = \frac{-x}{w-8}$ or $y = \frac{x}{8-w}$

ID: IA11L 2.2.1-3

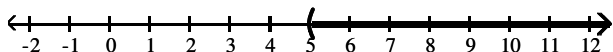
4) \$35.11

ID: IA11L 2.3.6-7

5) 60 liters

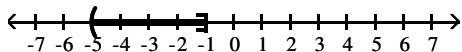
ID: IA11L 2.3.8-2

6) $(5, \infty)$



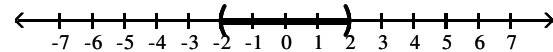
ID: IA11L 2.5.2-2

7) $(-5, -1]$



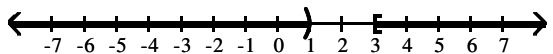
ID: IA11L 2.5.3-4

8) $(-2, 2)$



ID: IA11L 2.6.3-3

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



ID: IA11L 2.6.4-5

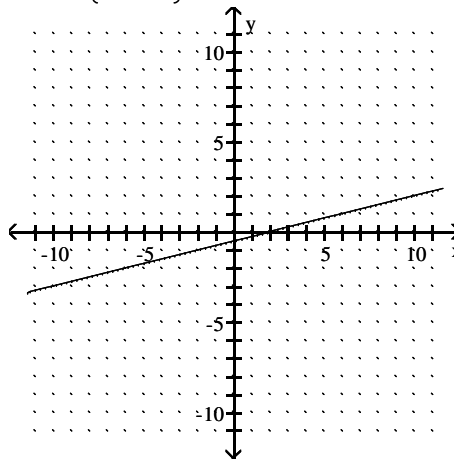
10) $\left[\frac{1}{6}, -\frac{11}{6}\right]$

ID: IA11L 2.7.1-6

11) $\left(-\frac{9}{8}, \frac{1}{8}\right)$

ID: IA11L 2.7.4-4

12) $(2, 0); \left(0, -\frac{1}{2}\right)$

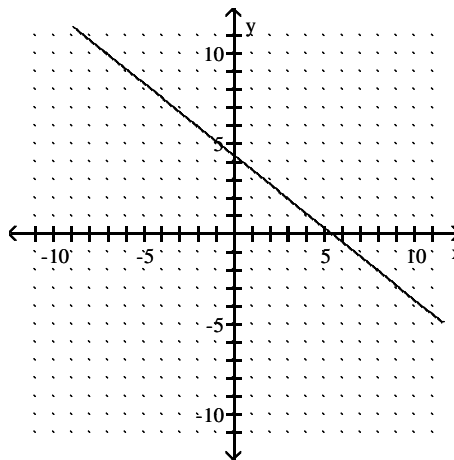


ID: IA11L 3.1.6-1

13) $\left(-\frac{1}{2}, \frac{3}{2}\right)$

ID: IA11L 3.1.7-3

14) Slope: $-\frac{4}{5}$



ID: IA11L 3.2.4-1

15) Perpendicular

ID: IA11L 3.2.6-2

16) $y = \frac{7}{5}x + \frac{67}{5}$

ID: IA11L 3.3.7-1

17) Function; domain: $(-\infty, \infty)$; range: $(0, \infty)$

ID: IA11L 3.5.3-5

18) 77

ID: IA11L 3.6.1-3