

# EXTRA PRACTICE — Exercises

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## Unit II – First Degree Relations with One Placeholder

### Part A – Basic Equations and Inequalities

### Lesson 1 – Solution Statements and Solution Sets (page1)

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For each of the following solution statements, give the solution set using set notation (roster if possible) and using the given number line.

1.  $x = \frac{-5}{2}$        $S = \{ \quad \quad \}$



2.  $m = 5$        $S = \{ \quad \quad \}$



3.  $y = \frac{5}{3}$        $S = \{ \quad \quad \}$



4.  $v = -6$        $S = \{ \quad \quad \}$



5.  $f = \pi$        $S = \{ \quad \quad \}$



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## Unit II, Part A, Lesson 1 (page 2)

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For each of the following solution statements, give the solution set using set notation with the rule method and also using a number line.

6.  $m > -3$        $S = \{ \quad \quad \}$



7.  $x \leq 4$        $S = \{ \quad \quad \}$



8.  $p \geq 0$        $S = \{ \quad \quad \}$



9.  $c \leq 1$        $S = \{ \quad \quad \}$



10.  $t > 5$        $S = \{ \quad \quad \}$



11.  $a \leq \frac{5}{2}$        $S = \{ \quad \quad \}$



12.  $y \geq \frac{-7}{3}$        $S = \{ \quad \quad \}$



13.  $r < 9$        $S = \{ \quad \quad \}$



14.  $v > -6$        $S = \{ \quad \quad \}$



15.  $e \geq 1.75$        $S = \{ \quad \quad \}$



# EXTRA PRACTICE — Answer Key

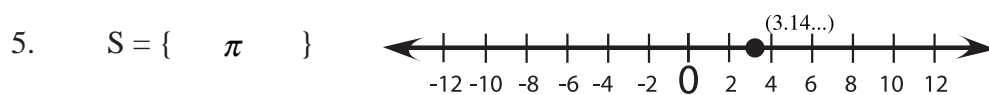
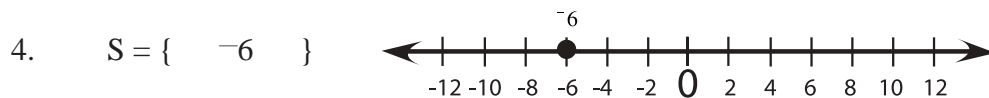
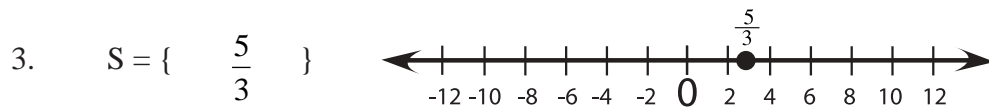
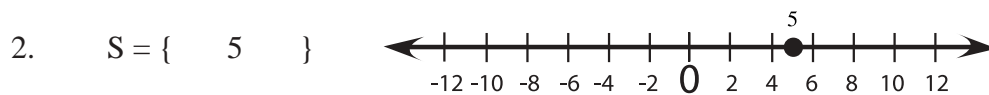
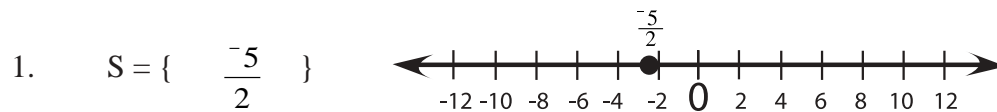
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## Unit II – First Degree Relations with One Placeholder Part A – Basic Equations and Inequalities

### Lesson 1 – Solution Statements and Solution Sets (page1)

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For each of the following solution statements, give the solution set using set notation (roster if possible) and using the given number line.



# EXTRA PRACTICE — Answer Key

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## Unit II, Part A, Lesson 1 (page 2)

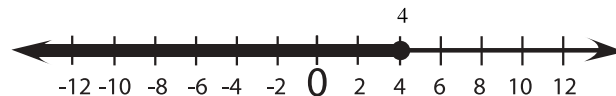
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For each of the following solution statements, give the solution set using set notation with the rule method and also using a number line.

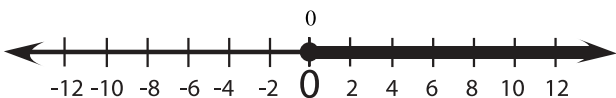
6.  $S = \{m \mid m > -3\}$



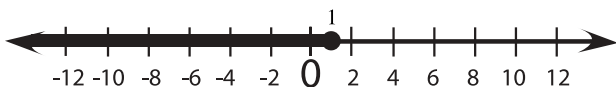
7.  $S = \{x \mid x \leq 4\}$



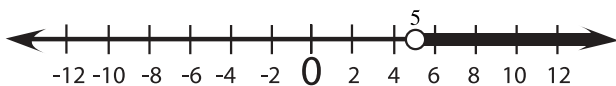
8.  $S = \{p \mid p \geq 0\}$



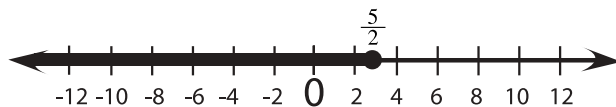
9.  $S = \{c \mid c \leq 1\}$



10.  $S = \{t \mid t > 5\}$



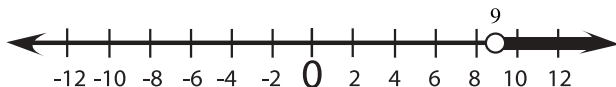
11.  $S = \{a \mid a \leq \frac{5}{2}\}$



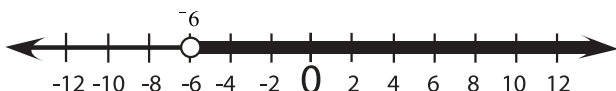
12.  $S = \{y \mid y \geq \frac{-7}{3}\}$



13.  $S = \{r \mid r > 9\}$



14.  $S = \{v \mid v > -6\}$



15.  $S = \{e \mid e \geq 1.75\}$

