

EXTRA PRACTICE — Exercises

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Unit II – First Degree Relations with One Placeholder

Part A – Basic Equations and Inequalities

Lesson 3 – Second Type - Making Ones (page 1)

Find the solution set for each of the following open sentences and show it using set notation or a number line.

1. $\frac{-7}{8} > -56t$ $S = \{ \quad \quad \}$



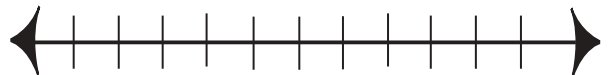
2. $12x = -36$ $S = \{ \quad \quad \}$



3. $5y > -23$ $S = \{ \quad \quad \}$



4. $\frac{m}{3} = 5$ $S = \{ \quad \quad \}$



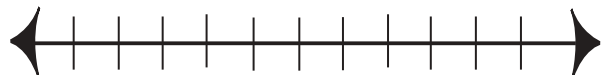
5. $\frac{2}{-3}x = -12$ $S = \{ \quad \quad \}$



6. $\frac{-3}{2}x \geq 0$ $S = \{ \quad \quad \}$



7. $-5y > -23$ $S = \{ \quad \quad \}$



8. $\frac{-6}{5} \leq -4x$ $S = \{ \quad \quad \}$



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Unit II, Part A, Lesson 3 (Page 2)

9. $\frac{-3v}{11} = 6$ $S = \{ \quad \quad \quad \}$ 

10. $-\frac{r}{6} = 9$ $S = \{ \quad \quad \quad \}$ 

11. $-4x \leq \frac{1}{9}$ $S = \{ \quad \quad \quad \}$ 

12. $-6y = -42$ $S = \{ \quad \quad \quad \}$ 

13. $42 = -7k$ $S = \{ \quad \quad \quad \}$ 

14. $-2y > \frac{1}{7}$ $S = \{ \quad \quad \quad \}$ 

15. $-7x < -21$ $S = \{ \quad \quad \quad \}$ 

16. $-3 = \frac{5}{6}m$ $S = \{ \quad \quad \quad \}$ 

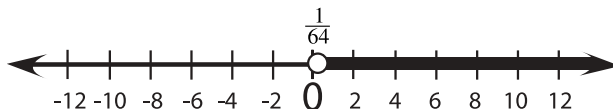
EXTRA PRACTICE — Answer Key

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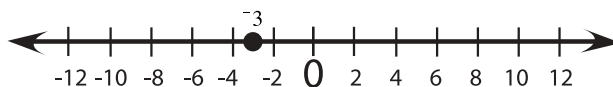
Unit II – First Degree Relations with One Placeholder Part A – Basic Equations and Inequalities Lesson 3 – Second Type - Making Ones (page 1)

Find the solution set for each of the following open sentences and show it using set notation or a number line.

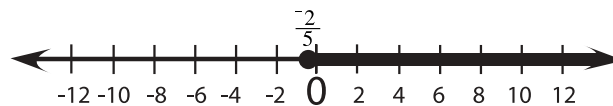
1. $S = \{t \mid t > \frac{1}{64}\}$



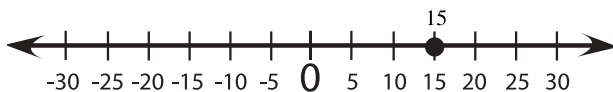
2. $S = \{-3\}$



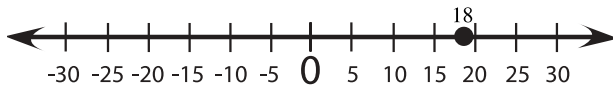
3. $S = \{y \mid y \geq \frac{-2}{5}\}$



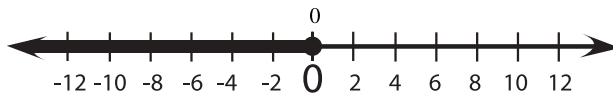
4. $S = \{15\}$



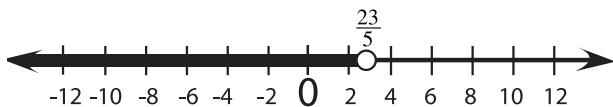
5. $S = \{18\}$



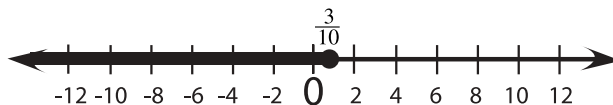
6. $S = \{x \mid x \leq 0\}$



7. $S = \{y \mid y < \frac{23}{5}\}$



8. $S = \{x \mid x \leq \frac{3}{10}\}$

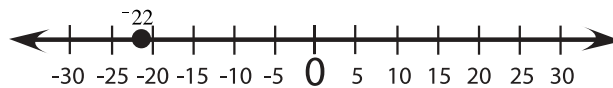


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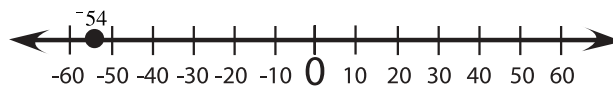
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Unit II, Part A, Lesson 3 (page 2)

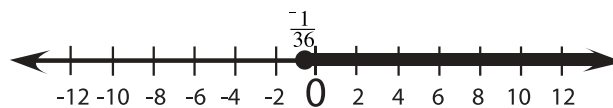
9. $S = \{-22\}$



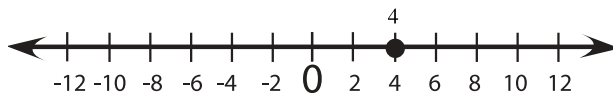
10. $S = \{-54\}$



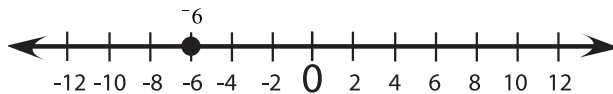
11. $S = \{x \mid x \geq \frac{-1}{36}\}$



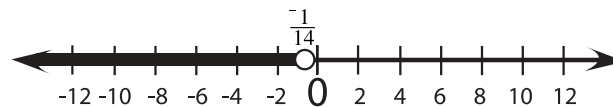
12. $S = \{4\}$



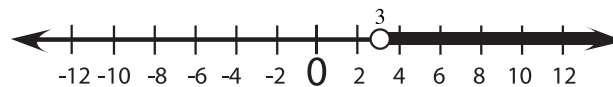
13. $S = \{-6\}$



14. $S = \{y \mid y < \frac{-1}{14}\}$



15. $S = \{x \mid x > 3\}$



16. $S = \{\frac{-18}{5}\}$

