

Algebra Readiness Chapter 9 Practice Test

Short Answer

1. Write an inequality for the graph.



$$x \leq 3 \text{ or } 3 \geq x$$

2. Write an inequality to model the situation: The number n of people who applied for the job was at least 6.

$$n \geq 6$$

3. Graph the inequality: $x \leq -2$.



4. Write an inequality for the word sentence: k is less than 0.

$$k < 0$$

Solve the inequality.

5. $q - 12 \geq -13$

$$+12 \quad +12$$

$$q \geq -1$$



6. $c + 6 < -20$

$$-6 \quad -6$$

$$c < -26$$



(147.) $\frac{k}{14} \leq 15$ (14)

$$k \leq 210$$



8. $\frac{11x}{11} > \frac{99}{11}$

$$x > 9$$



Answer Key!

(-6) $\frac{d}{-6} \leq -1$ (-6)

$$d \geq 6$$

sign switches!



10. $\frac{-3s}{-3} \leq \frac{36}{-3}$

$$s \geq -12$$



Solve and graph the inequality.

11. $3m + 9 \leq 18$

$$-9 \quad -9$$

$$3m \leq 9$$

$$\div 3 \quad \div 3$$

$$m \leq 3$$



12. $2x - 10 > -14$

$$+10 \quad +10$$

$$2x > -4$$

$$\div 2 \quad \div 2$$

$$x > -2$$



13. $-x - 4x \leq 0$

$$-5x \leq 0$$

$$\div -5 \quad \div -5$$

$$x \geq 0$$

sign switches



14. $14 - 2x > 18$

$$-14 \quad -14$$

$$-2x > 4$$

$$\div -2 \quad \div -2$$

$$x < -2$$

sign switches



15. $\frac{-x}{4} - 6 \geq -8$

$$+6 \quad +6$$

sign switches

(-4) $\frac{-x}{4} \geq -2$ (-4)

$$x \leq 8$$



Algebra Readiness Builder 25 Answers

RM Cervero



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8 Practice Tests for Reading and Math Michael Priestley, 2002 Provides teachers with eight reproducible reading and math tests that prepare students in seventh and eighth grade for national standardized exams

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Teachers World, 1895

"The" Athenaeum, 1860

Round Table, 1867

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