ANSWER KEY FOR EXTRA PRACTICE SHEETS

Extra Practice 35

1. $\{x \mid -10 < x < 6\}$, or $(-10,6)$

2. $\{x \mid x < -3 \text{ or } x > 8\}$, or $(-\infty,-3) \cup (8,\infty)$

3. $\{x \mid x \le 5 \text{ or } x \ge 2\}$, or $(-\infty,-5) \cup [2,\infty)$

4. $\{x \mid -7 \le x \le 3\}$, or $[-7,3]$

5. $\{x \mid x < -4 \text{ or } x > 3\}$, or $(-\infty,-4) \cup (3,\infty)$

6. $\{x \mid x < -4 \text{ or } x > 5\}$, or $(-\infty,-4) \cup (5,\infty)$

7. $\{x \mid -2 \le x \le 3\}$, or $[-2,3]$ 8. $\{x \mid -9 < x < 6\}$, or $(-9,6)$

9. $\{x \mid -6 < x < -1 \text{ or } x > 9\}$, or $(-6,-1) \cup (9,\infty)$

10. $\{x \mid x < -7 \text{ or } 5 < x < 10\}$, or $(-\infty,-7) \cup (5,10)$

11. $\{x \mid x \le -5 \text{ or } -3 \le x \le 2\}$, or $(-\infty,5] \cup [-3,2]$

12. $\{x \mid -11 < x < -2 \text{ or } x > 6\}$, or $(-11,-2) \cup (6,\infty)$

13. $\{x \mid -3 < x < 6 \text{ or } x > 8\}$, or $(-3,6) \cup (8,\infty)$

14. $\{x \mid -12 \le x \le -1 \text{ or } x \ge 7\}$, or $[-12,-1] \cup [7,\infty)$

15. $\{x \le -4 \text{ or } 4 \le x \le 10\}$, or $(-\infty,-4] \cup [4,10]$

16. $\{x \mid -9 < x < -8 \text{ or } x > 8\}$, or $(-9,-8) \cup (8,\infty)$

17. $\{x \mid x > 8\}$, or $(8,\infty)$

18. $\{x \mid x < -3\}$, or $(-\infty,-3)$

19. $\{x \mid x < -6 \text{ or } x \ge 0\}$, or $(-\infty,-6) \cup [0,\infty)$

20. $\{x \mid -1 \le x < 9\}$, or $[-1,9)$

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21. $\{x \mid -5 < x < 4\}$, or $(-5,4)$

22. $\{x \mid x < -1 \text{ or } x > 6\}$, or $(-\infty,-1) \cup (6,\infty)$

23. $\{x \mid -3 < x < 8\}$, or $(-3,8)$

24. $\{x \mid -7 < x < -4\}$, or $-7,-4$

25. $\left\{x \mid x < -4 \text{ or } x \geq -\frac{1}{2}\right\}$, or $(-\infty,-4) \cup \left[-\frac{1}{2},\infty\right)$

26. $\{x \mid x < 3 \text{ or } x > 4\}$, or $(-\infty,3) \cup (4,\infty)$

27. $\left\{x \mid -\frac{2}{3} < x < 4\right\}$, or $\left(-\frac{2}{3},4\right)$

28. $\{x \mid x < -2 \text{ or } x > -1\}$, or $(-\infty,-2) \cup (-1,\infty)$

29. $\{x \mid x - 2 < x < -1 \text{ or } x > 3\}$, or $(-2,-1) \cup (3,\infty)$

30. $\{x \mid -5 < x \leq -3 \text{ or } x \geq 4\}$, or $(-5,-3] \cup [4,\infty)$