

Extra Practice 9, Section 4.3

1. $\left\{x \mid x < -\frac{9}{4} \text{ or } x > 3\right\}$ 2. $\{y \mid -5 \leq y \leq 9\}$ 3. $\left\{x \mid -\frac{31}{5} < x < 3\right\}$ 4. $\{2,7\}$ 5. $\{-4,4\}$
6. $\{y \mid y \leq 0 \text{ or } y \geq 12\}$ 7. $\{y \mid -11 \leq y \leq -7\}$ 8. $\left\{y \mid y < -\frac{5}{3} \text{ or } y > 1\right\}$
9. $\left\{x \mid x < -\frac{5}{2} \text{ or } x > 4\right\}$ 10. $\{x \mid -16 < x < 16\}$ 11. $\{-0.34, 0.6\}$ 12. $\left\{x \mid x \leq -\frac{3}{2} \text{ or } x \geq 6\right\}$
13. $\{x \mid x < -26 \text{ or } x > 8\}$ 14. $\left\{-1, -\frac{1}{2}\right\}$ 15. $\{y \mid y < -2 \text{ or } y > 20\}$ 16. $\left\{y \mid -\frac{1}{5} \leq y \leq \frac{1}{5}\right\}$
17. $\{y \mid y < -1 \text{ or } y > 1\}$ 18. $\{1,5\}$ 19. $\left\{x \mid x \leq -\frac{13}{5} \text{ or } x \geq \frac{17}{5}\right\}$ 20. $\left\{x \mid -\frac{3}{2} < x < 10\right\}$
21. $\{-48,54\}$ 22. $\{x \mid x < 0 \text{ or } x > 38\}$ 23. $\left\{x \mid -\frac{1}{4} \leq x \leq 1\right\}$ 24. $\{y \mid -3 < y < 12\}$
25. $\{y \mid y < -9 \text{ or } y > 9\}$ 26. $\left\{y \mid \frac{1}{27} \leq y \leq \frac{1}{3}\right\}$ 27. $\left\{y \mid -9 < y < \frac{43}{9}\right\}$ 28. $\{x \mid x \leq -7 \text{ or } x \geq 2\}$
29. $\left\{x \mid x \leq -\frac{2}{9} \text{ or } x \geq \frac{2}{3}\right\}$ 30. $\{y \mid 5 \leq y \leq 12\}$