

Solve each conjunction or disjunction and graph each solution set that is not empty.

1. $3 \leq x < 5$
2. $z > -1$ and $z < 3$
3. $t < 1$ or $t \geq 3$
4. $p > 1$ or $p < 1$
5. $y \geq -1$ and $y \geq 3$
6. $y \geq -1$ or $y \geq 3$
7. $t > 0$ or $t < 2$
8. $w < 0$ and $w \geq 4$
9. $0 \leq x - 2 < 3$
10. $2 > y + 2 \geq 0$
11. $-1 > 2r - 5 > -9$
12. $-1 \leq 3z + 2 \leq 8$
13. $2z - 1 \leq 5$ or $3z - 5 > 10$
14. $3k + 7 < 1$ or $2k - 3 > 1$
15. $2t + 7 \geq 13$ or $5t - 4 < 6$
16. $2x + 3 > 1$ or $5x - 9 \leq 6$
17. $2t + 7 \geq 13$ and $5t - 4 < 6$
18. $2x + 3 > 1$ and $5x - 9 \leq 6$
19. $-5 < 1 - 2k < 3$
20. $-6 \leq 2 - 3m \leq 7$
21. $-3 < 2 - \frac{d}{3} \leq -1$
22. $3 \geq 1 - \frac{n}{2} > -2$
23. $7q - 1 > q + 11$ or $-11q > -33$
24. $5n - 1 > 0$ and $4n + 2 < 0$
25. $x - 7 < 3x - 5 < x + 11$
26. $3y + 5 \geq 2y + 1 > y - 1$
27. $-\frac{3}{4}m \geq m - 1$ or $-\frac{3}{4}m < m + 1$
28. $3z + 7 \leq 4z$ and $3z + 7 > -4z$

Solve.

29. $+3 \leq -2(t - 3) < 6$
30. $-5 < 2(2 - s) + 1 \leq 9$
31. $\frac{t}{4} + 2 < t + 3$ and $t - 3 > \frac{t}{2} - 4$
32. $\frac{r-3}{6} \leq r - 1$ or $\frac{r-6}{3} \leq r + 4$
33. $0 < 1 - x \leq 3$ or $-1 \leq 2x - 3 \leq 5$
34. $1 < -(2s + 1) < 5$ or $1 < 2s - 1 < 5$
35. $2 < \frac{y+6}{2} < 5$ and $(4 - y > 5$ or $4 + y > 7)$
36. $\left(x \leq \frac{x+4}{3} + 2$ or $x \geq 2x - 1\right)$ and $1 \leq \frac{x-1}{2} \leq 3$