

Name: _____

Class: _____

Date: _____

Write the answer in Roster Notation.

- | | |
|---|-----------|
| 1. The integers between -14 and -9 | 1. _____ |
| 2. The integers less than or equal to -17 | 2. _____ |
| 3. The even integers greater than -10 | 3. _____ |
| 4. The integers between -14 and -9 , inclusive. | 4. _____ |
| 5. The odd integers greater than or equal to -1 | 5. _____ |
| 6. The integers between 16 and 21 | 6. _____ |
| 7. The integers greater than 8 | 7. _____ |
| 8. The integers greater than or equal to -3 | 8. _____ |
| 9. The even integers greater than or equal to -14 | 9. _____ |
| 10. The odd integers greater than 11 | 10. _____ |

Write the set using Interval Notation.

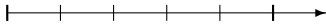
- | | |
|-------------------------------|-----------|
| 11. $\{x 2 < x < 17\}$ | 11. _____ |
| 12. $\{x x < -10\}$ | 12. _____ |
| 13. $\{x 9 < x\}$ | 13. _____ |
| 14. $\{x x \leq 14\}$ | 14. _____ |
| 15. $\{x -15 < x < -8\}$ | 15. _____ |
| 16. $\{x 5 \leq x\}$ | 16. _____ |
| 17. $\{x -10 \leq x \leq 3\}$ | 17. _____ |
| 18. $\{x -18 \leq x < 2\}$ | 18. _____ |
| 19. $\{x -1 \leq x < 3\}$ | 19. _____ |
| 20. $\{x -8 < x \leq -3\}$ | 20. _____ |

Write the set using Set Builder Notation.

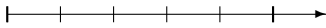
- | | |
|----------------------|-----------|
| 21. $(-12, \infty)$ | 21. _____ |
| 22. $[-10, 14)$ | 22. _____ |
| 23. $(-15, 5]$ | 23. _____ |
| 24. $[-16, 16]$ | 24. _____ |
| 25. $(4, 6)$ | 25. _____ |
| 26. $(-\infty, -13]$ | 26. _____ |
| 27. $[-10, \infty)$ | 27. _____ |
| 28. $(-\infty, 12)$ | 28. _____ |
| 29. $(-\infty, 15)$ | 29. _____ |
| 30. $[4, \infty)$ | 30. _____ |

Graph the set.

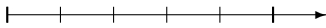
31. $\{x|6 \leq x < 14\}$



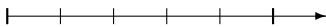
32. $\{x|-2 < x < 10\}$



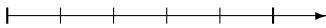
33. $\{x|-17 < x\}$



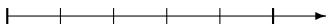
34. $\{x|-1 \leq x\}$



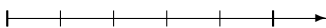
35. $\{x|x < 20\}$



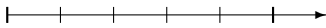
36. $\{x|-15 \leq x \leq 18\}$



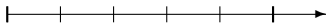
37. $\{x|-12 < x < 19\}$



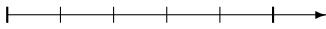
38. $\{x|x \leq 7\}$



39. $\{x|5 \leq x\}$

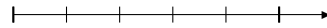


40. $\{x|-1 < x \leq 4\}$

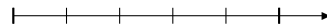


Graph the set.

41. $(9, \infty)$



42. $(-\infty, 15]$



43. $(-\infty, -7)$



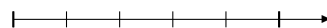
44. $[9, 11)$



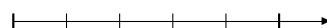
45. $[-9, 6]$



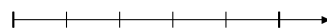
46. $(-16, 14)$



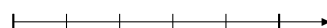
47. $(6, 18]$



48. $(-\infty, 3]$



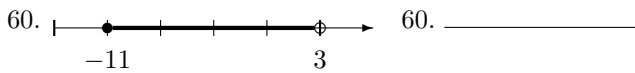
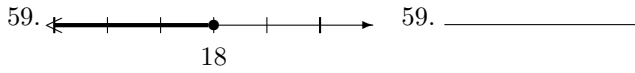
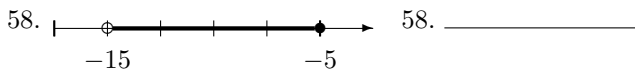
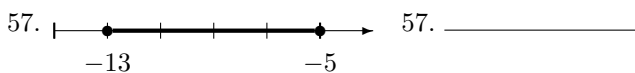
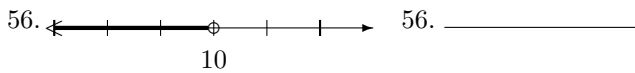
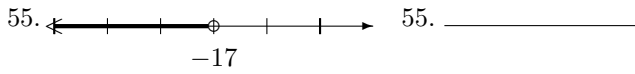
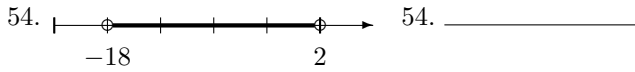
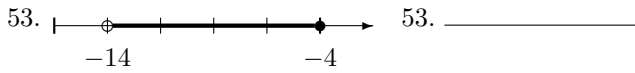
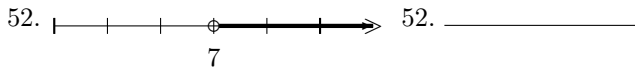
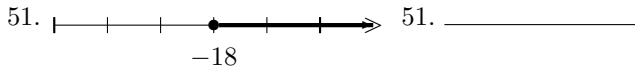
49. $[14, \infty)$



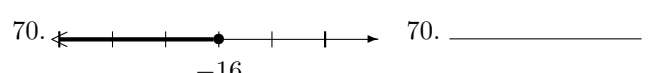
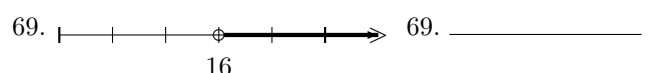
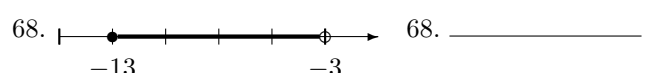
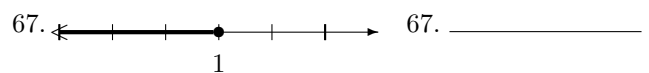
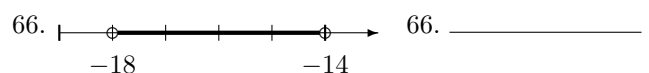
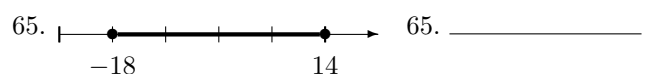
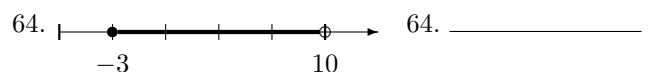
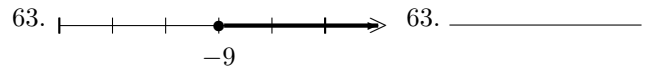
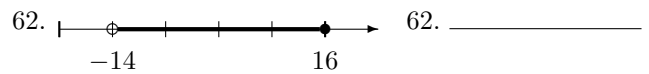
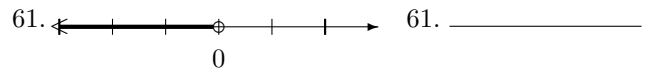
50. $[-8, -6]$



Write the set in Set-Builder notation.



Write the set in Interval notation.



Why are you looking at a blank (ok mostly blank) page?

- Question 1: $\{-13, -12, -11, -10\}$
 Question 2: $\{\dots -19, -18, -17\}$
 Question 3: $\{-8, -6, -4, \dots\}$
 Question 4: $\{-14, -13, -12, -11, -10, -9\}$
 Question 5: $\{-1, 1, 3, \dots\}$
 Question 6: $\{17, 18, 19, 20\}$
 Question 7: $\{9, 10, 11, \dots\}$
 Question 8: $\{-3, -2, -1, \dots\}$
 Question 9: $\{-14, -12, -10, \dots\}$
 Question 10: $\{13, 15, 17, \dots\}$
 Question 11: $(2, 17)$
 Question 12: $(-\infty, -10)$
 Question 13: $(9, \infty)$
 Question 14: $(-\infty, 14]$
 Question 15: $(-15, -8)$
 Question 16: $[5, \infty)$
 Question 17: $[-10, 3]$
 Question 18: $[-18, 2)$
 Question 19: $[-1, 3)$
 Question 20: $(-8, -3]$
 Question 21: $\{x \mid -12 < x\}$
 Question 22: $\{x \mid -10 \leq x < 14\}$
 Question 23: $\{x \mid -15 < x \leq 5\}$
 Question 24: $\{x \mid -16 \leq x \leq 16\}$
 Question 25: $\{x \mid 4 < x < 6\}$
 Question 26: $\{x \mid x \leq -13\}$
 Question 27: $\{x \mid -10 \leq x\}$
 Question 28: $\{x \mid x < 12\}$
 Question 29: $\{x \mid x < 15\}$
 Question 30: $\{x \mid 4 \leq x\}$
 Question 31:
 Question 32:
 Question 33:
 Question 34:
 Question 35:
 Question 36:
 Question 37:
 Question 38:

- Question 39:
 Question 40:
 Question 41:
 Question 42:
 Question 43:
 Question 44:
 Question 45:
 Question 46:
 Question 47:
 Question 48:
 Question 49:
 Question 50:
 Question 51: $\{x \mid -18 \leq x\}$
 Question 52: $\{x \mid 7 < x\}$
 Question 53: $\{x \mid -14 < x \leq -4\}$
 Question 54: $\{x \mid -18 < x < 2\}$
 Question 55: $\{x \mid x < -17\}$
 Question 56: $\{x \mid x < 10\}$
 Question 57: $\{x \mid -13 \leq x \leq -5\}$
 Question 58: $\{x \mid -15 < x \leq -5\}$
 Question 59: $\{x \mid x \leq 18\}$
 Question 60: $\{x \mid -11 \leq x < 3\}$
 Question 61: $(-\infty, 0)$
 Question 62: $(-14, 16]$
 Question 63: $[-9, \infty)$
 Question 64: $[-3, 10)$
 Question 65: $[-18, 14]$
 Question 66: $(-18, -14)$
 Question 67: $(-\infty, 1]$
 Question 68: $[-13, -3)$
 Question 69: $(16, \infty)$
 Question 70: $(-\infty, -16]$