

Answers to Algebra 1 L1.4 Absolute Value Equations Pg 32, #3-29 odd, 35-49 odd

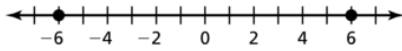
3. 9

5. 0

7. -35

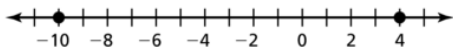
9. 9

11. $w = -6, w = 6;$

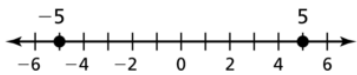


13. no solution

15. $m = -10, m = 4;$



17. $d = -5, d = 5;$

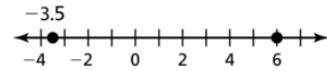


39. $p = \frac{2}{3}, p = 10$

41. $h = 0.25$

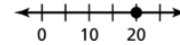
43. $f = -1$

19. $b = -3.5, b = 6;$

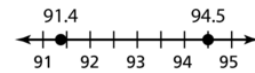


21. no solution

23. $s = 20;$



25. a.



b. $|d - 92,950,000| = 1,550,000$

27. B

29. C

35. $n = 3, n = 5$

37. $b = 3, b = 5$

45. 5 sec, 7.5 sec

47. a. $|x - 32| = 5; 27%, 37%$

b. no; $\frac{1}{3} (33\frac{1}{3}\%)$ falls within the range of possible values.

49. The absolute value cannot be negative. So, there is no solution.