ANSWER PRESENTATION TOOL

Algebra 1 - Student Edit 7 4 - Exercises 2-40 even ALL EVEN ODD Show Solu

2. Find the value of k for which $(2k + 4) + (k - 3) = 0$;
$k = -\frac{1}{3}, k = -2, k = 3$

4. $r = 0, r = 10$

6. $v = 0, v = -1$

8. $y = -2, y = 6$

10. $q = -\frac{3}{4}, q = -2$

12. $h = 8$

14. $d = \frac{1}{2}, d = -\frac{1}{2}$

16. $p = 0, p = \frac{3}{2}, p = -7$

18. $w = 0, w = 6$

20. $n = 2, n = -9$

22. $x = -1, x = -7$

24. $x = -22, x = 15$

26. $3d(2d - 7)$

28. $10x^2(2x + 3)$

30. $4a(3a^3 + 2)$

32. $m = 0, m = -2$

34. $q = 0, q = 9$

36. $r = 0, r = -7$

38. cannot divide both sides by y, because y could be 0 and division by 0 is undefined; $3y^2 - 21y = 0$; $3y(y - 7) = 0$; $3y = 0$ or $y - 7 = 0$; $y = 0$ or $y = 7$; The roots are $y = 0$ and $y = 7$.

40. **a.** 630 ft

b. 630 ft