

Algebra 2
Chapter 1 Section 3

Name _____

Pg. 22

3.
6.

9.	13.
15.	17.
18.	19.
20.	21.

22.	23.	24.	25.
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29.

30.	31.
32.	33.

34.	35.
38.	41.

43.

45.	46.
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Key:

3. The sum of five times a number and 7 is 18.

6. Eight more than the quotient of a number and four is -16.

9. 53	13. -6
15. 3	17. 4
18. -5	19. $q = \frac{8r - 3}{5}$
20. $\frac{Pv}{rt} = n$	21. B

22. $4n - 6$	23. $8x^2$	24. $x^3 - 15$	25. $\frac{x}{4} + 5$
29. n = number of home runs Jacobs hits $n + 6$ = number of home runs Cabrera hits $2n + 6 = 46$ Jacobs: 20 home runs Cabrera: 26 home runs			
30. Subtractions property of equality		31. Substitution	
32. Transitivity Property		33. Multiplication Property of Equality	
34. n = number of rides; $2(7.50) + 2(2.50) = 32.50$ 7 rides		35. 5	
38. -5		41. -3	
43. x = length of a side; $5s = 100$; 20 in			
45. $m = \frac{E}{c^2}$		46. $a = \frac{f + d}{c} - b$	