

Chapter 1 Book Review Key:

15. 21		17. 169.65 ft^3	
18. Q, R		19. N, W, Z, Q, R	
20. Q, R			
23. $5m + 41n$		28. $\frac{11}{3}$	
30. $k = \frac{3m + 16}{2}$		35. $\{2, 10\}$	
39. $a \geq -6$		41. $x \leq -\frac{2}{9}$	

45. $\{x -2 < x < 4\}$		46. $\{y y \leq -\frac{1}{2} \text{ or } y > 3\}$	
49. $\{p -5 < p < 33\}$		52. $\{q q \leq -\frac{13}{4} \text{ or } q \geq 2\}$	

2. $-14a + 6b$		23. $-\frac{3}{8}$	
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12.	Set Builder Notation	Interval Notation
F.	$\left\{x \mid \frac{1}{2} < x \leq 7\right\}$	$\left(\frac{1}{2}, 7\right]$
G.	$\left\{x \mid \frac{1}{2} \leq x < 7\right\}$	$\left[\frac{1}{2}, 7\right)$
H.	$\left\{x \mid x < \frac{1}{2} \text{ or } x \geq 7\right\}$	$\left(-\infty, \frac{1}{2}\right) \cup [7, \infty)$
J.	$\left\{x \mid x \leq -\frac{1}{2} \text{ or } x > 7\right\}$	$\left(-\infty, -\frac{1}{2}\right] \cup (7, \infty)$