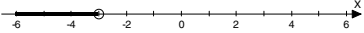
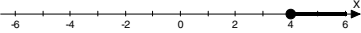
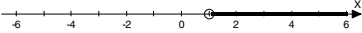


## Chapter 2 Answers

### Form A

1. 3   2. 2   3.  $\frac{5}{2}$    4. -1   5. No solution   6. All real numbers

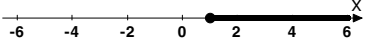
7.  $\{x|x > -3\}$     8.  $\{x|x \geq 4\}$  

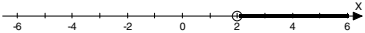
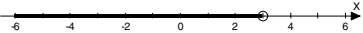
9.  $\{x|x \text{ is a real number}\}$    10.  $\{x|x > 1\}$     11.  $\{x|x \leq 5\}$

12.  $c = P - a - b$    13.  $b = \frac{2A}{h}$    14. 11.25   15. 156.25%   16. 138 sq.ft.   17. 671 and 673  
18. 54   19. 104 ft by 108 ft   20.  $\leq 7$

### Form B

1. 5   2.  $-\frac{1}{3}$    3. No solution   4. 1   5.  $-\frac{17}{3}$    6. All real numbers

7.  $\{x|x \geq 1\}$     8. No solution

9.  $\{x|x > 2\}$     10.  $\{x|x < 3\}$  

11.  $\{x|x > 1\}$    12.

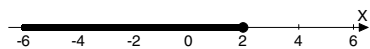
- $y = \frac{6-x}{2}$    13.  $r = \frac{A-P}{Pt}$    14. 1000   15. 400   16.  $153^\circ$    17. 17   18. \$32

19. 60 sugar : 36 chocolate chip   20.  $\geq 76$

### Form C

1.  $\frac{13}{2}$  2.  $-2$  3.  $-\frac{6}{5}$  4.  $-3$  5. No solution 6. 3 7. All real numbers 8. 0 9.  $\{x | x > 5\}$   
10. No solution 11.  $\{x | x \geq -2\}$

12.  $x \leq 2$



13.  $x > -3$



14.  $\{x | x \geq -1\}$  15.  $h = \frac{2A}{b}$  16.  $x = \frac{-3y+6}{2}$  17. 2000 18. 2%  
19.  $490\pi \text{ in.}^2$ ;  $15,939 \text{ in.}^3$  20. \$783 and \$1330 21. 241 22. 3212 and 3214 23. \$21,500  
24. \$9.90 25.  $\leq 140 \text{ min}$

### Form D

1. a 2. d 3. b 4. c 5. a 6. a 7. a 8. c 9. a 10. d 11. c 12. d 13. a 14. b  
15. d 16. c 17. c 18. b 19. a 20. c

### Form E

1. d 2. c 3. b 4. d 5. c 6. c 7. d 8. b 9. c 10. a 11. c 12. c 13. a 14. a  
15. b 16. b 17. b 18. a 19. c 20. a

### Form F

1. d 2. d 3. b 4. a 5. c 6. c 7. a 8. d 9. d 10. c 11. a 12. d 13. c 14. d  
15. b 16. c 17. a 18. d 19. d 20. c