

PART I

1. $x = -3$

2. $x = -\frac{1}{6}$

3. $x = \frac{1}{2}$

4. $x = \frac{56}{5}$

PART II

5. $(x-9)(x-1)$

6. $(x+6)(x-4)$

7. $(3x-4)(x-2)$

8. $x = \{-2, 1\}$

PART III

9. $2\sqrt{2}$

10. $3\sqrt{3}$

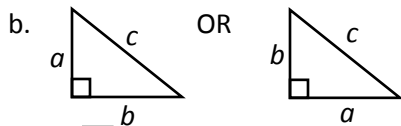
11. $-24\sqrt{10}$

12. already in simplest form

13. $\sqrt{3}$

14. 38

15. a. longest

c. $2\sqrt{10}$ cm., 5 in.**PART IV**16. Formula: $A = \frac{1}{2}bh$ 17. Formula: $A = lw$ Area = 180 ft^2 , perimeter = 90 ftArea = 40 in^2 , perimeter = 26 in**PART V**

18. a. 14.5

b. $7x - 1 + 3x$

c. LM = 20, MN = 9, LN = 29

$= 10x - 1$

19. a. 15 cm

b. $x + 4 + x + 2$

c. GH = 3, HI = 4, GI = 5, perimeter = 12

$= 2x + 6$

PART VI

will be reviewed in class

PART VII

35. c

36. j

37. g

38. k

39. a

40. e

41. i

42. o

43. d

44. f

45. n

46. h

47. m

48. l

49. b

50. p