

P. 300

Algebra

Oct. 2, 2012

1. $a + b$ 2 terms

2. $2s + t - 5$ 3 terms

3. $x^2 - x + 4$ 3 terms

4. $jkl + mn$ 2 terms

terms are separated by
operational signs $+$, $-$, $\div$, not
multiplication

5. $2y + 1$ ← constant - number without a letter behind it.

coefficient is the number in front of the letter

6. $1n - 4$ ← constant

coefficient

7. $3x^2 - 2x + 5$

coefficients: 3, 2 constant: 5

9.

$$3x + 5x$$
$$= 8x$$

Combining Like Terms

10.

$$15p - 9p$$
$$= 6p$$

$$17. -8g - 9g + 10g$$
$$= -17g + 10g$$
$$= -7g$$

13.

$$6r + 4r - 1r$$
$$= 9r$$

15.

$$-w + 6w - w$$
$$= 4w$$

19. $(3t) + 5a(-2t)$ Collecting Like terms
 $= -t + 5a$

21. $(2a) - b(+3a)$
 $= 5a - b$

23. $(-9p) - 10q(+8p)$
 $= -1p - 10q$

$$33. \quad \boxed{-7t} + 2 \circledast + 8r \circledast + 9r \boxed{-8t}$$

$$= 17r - 15t + 2$$

$$39. \quad \circledast - p + \boxed{5q - 8r - 9} + \boxed{3p + 9r} + 1$$

$$= 2p + 4q + 1r + 1$$

$$43. \quad \circledast 2x^2 + \boxed{x} + \circledast x^2 + \boxed{4x}$$

$$= 3x^2 + 5x$$

44.

$$(a^2) - 4a - 5a + 3a^2$$

$$= 4a^2 - 9a$$

48.

$$7t - 3t$$

$$= 4t$$

$$= 4(3)$$

$$= 12$$

$$t = 3$$

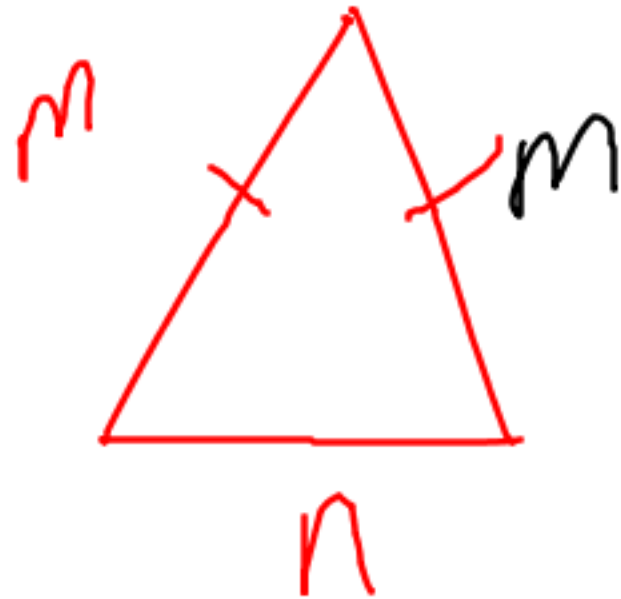
$$51. 3 + 4x - 2x$$

$$= 3 + 2x$$

$$= 3 + 2(0.5)$$

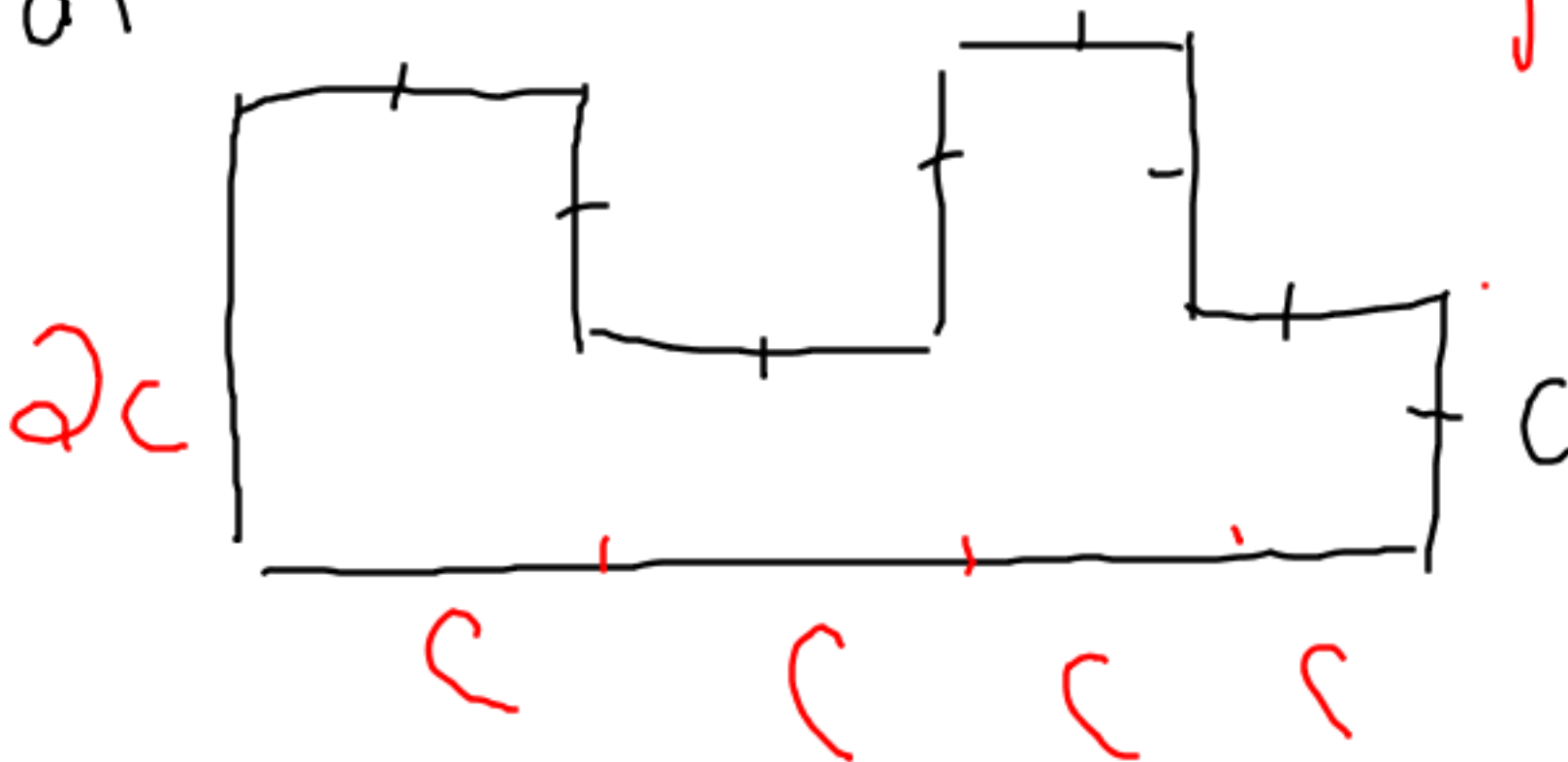
$$= 3 + 1$$

$$= 4$$

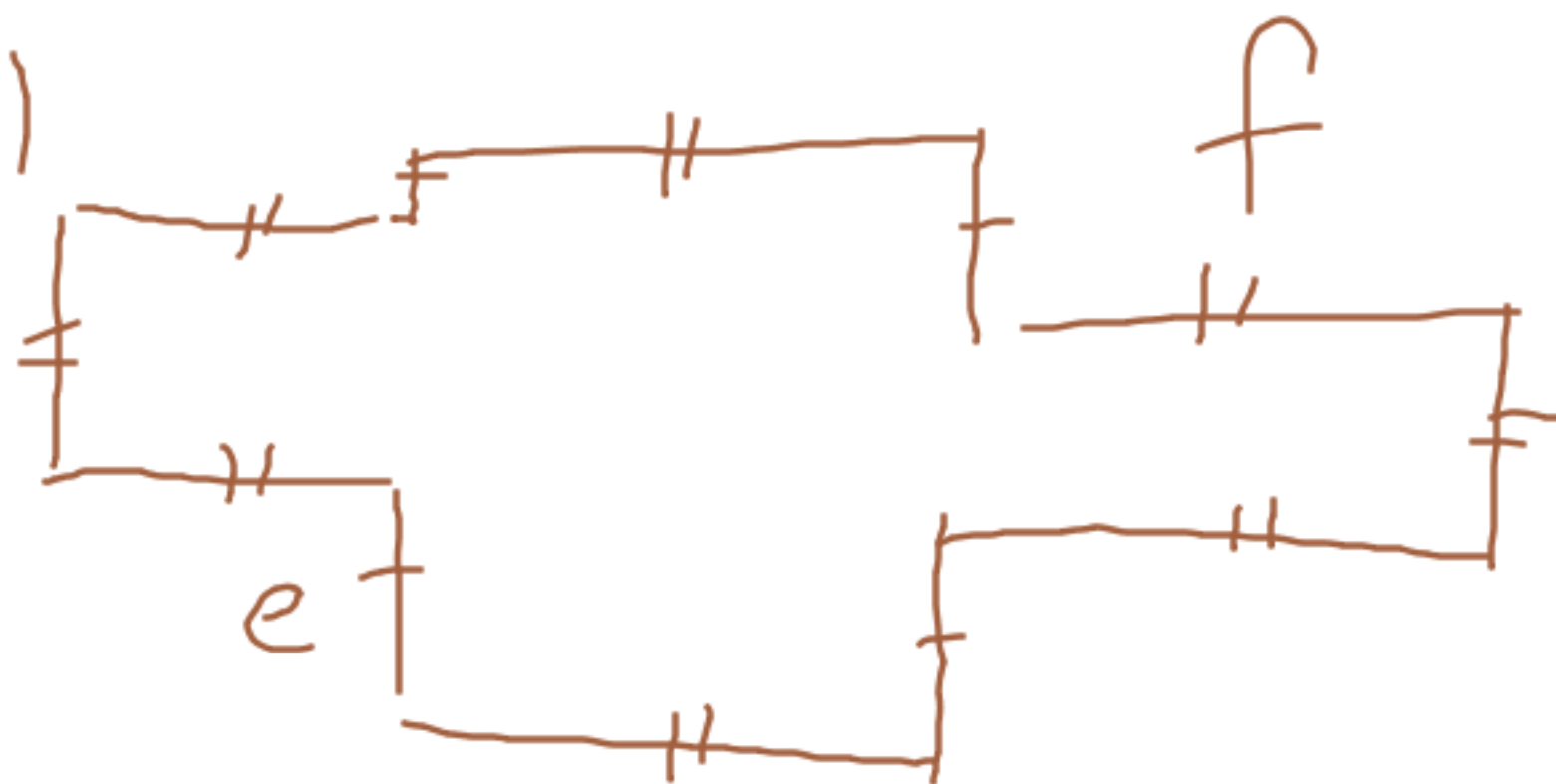
57.  Perimeter = Sum of sides

$$P = m + m + n$$

$$P = 2m + n$$

58a1  $P = 14c$

58.c)



$$\rho = 4e + 8f$$

homework p. 300-1

crappy
diagram
(i)