

P. 300

Algebra

Oct. 1, 2012

1. $a+b$ 2 terms

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

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

4. $jk + mn$ 2 terms

Terms are separated by operational

Signs $+$, $-$, $\div$ not multiplication

5. $2y + 1 \rightarrow$ constant - doesn't have
a letter behind it.

coefficient is the number in
front of the letter.

6. $1n - 4$
coefficient: 1
constant: 4

$$9. \quad 3x + 5x$$

$$= 8x$$

Add like terms.

$$15. \quad -w + 6w - w$$

$$= 5w - w$$

$$= 4w$$

$$10. \quad 15p - 9p$$

$$= 6p$$

$$13. \quad 6r + 4r - r$$

$$= 9r$$

$$17. \quad -8q - 9q + 10q$$

$$= -17q + 10q$$

$$= -7q$$

19. Simplify

$$(3t) + 5a - 2t$$

$$= t + 5a$$

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

$$= 5a - b$$

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

$$= -p - 10q$$

$$39. \quad (-p + 5q - 8r) - (-q + 3p + 9r) + 1$$

$$= -1p + 3p + 5q - 1q - 8r + 9r + 1$$

$$= 2p \qquad \qquad \qquad = 4q \qquad \qquad \qquad = 1r$$

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

43. $(2x^2 + x) + (x^2 + 4x)$

$= 3x^2 + 5x$

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

$= 4a^2 - 9a$

Simplify first

48. $7t - 3t$
 $= 4t$ When $t = 3$
 $= 4(3) = 12$

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

$$= 3 + 2x$$

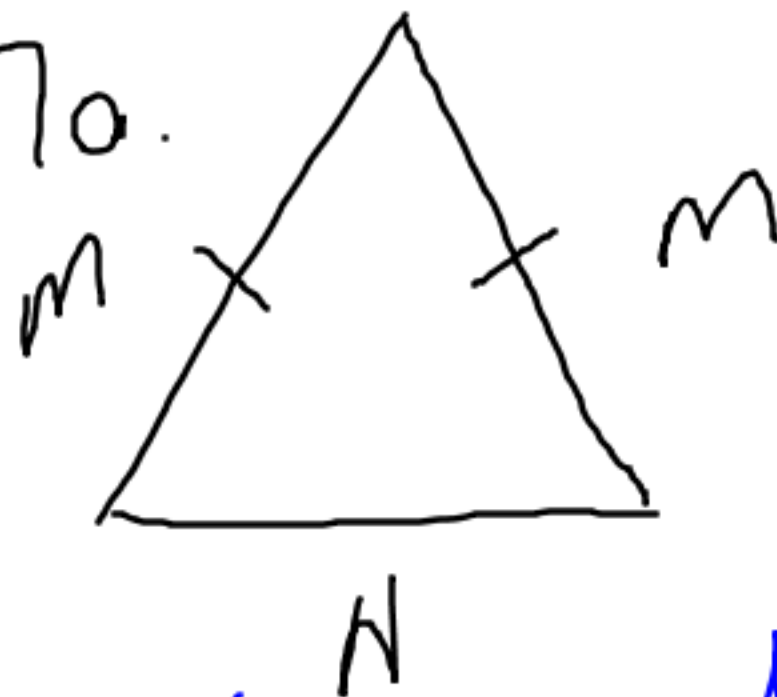
$$\text{when } x = 0.5$$

$$= 3 + 2(0.5)$$

$$= 3 + 1$$

$$= 4$$

570.

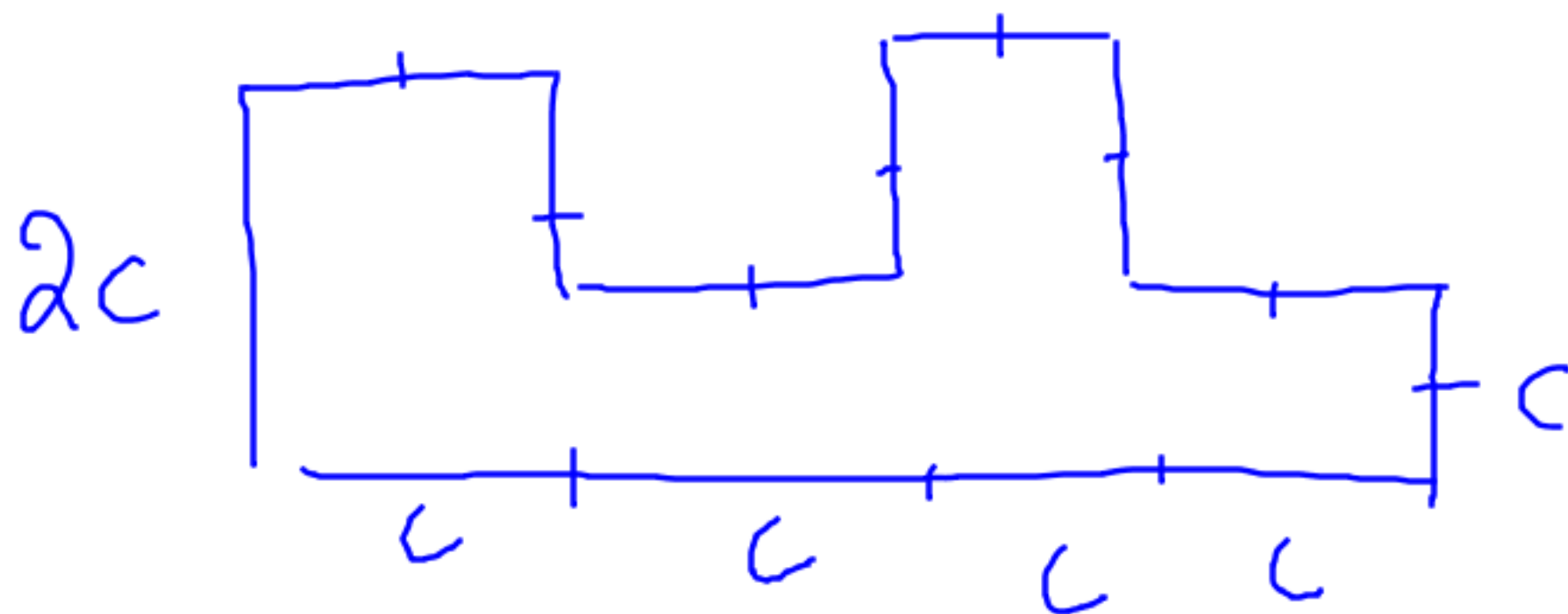


Perimeter = sum of sides

$$P = m + m + n$$

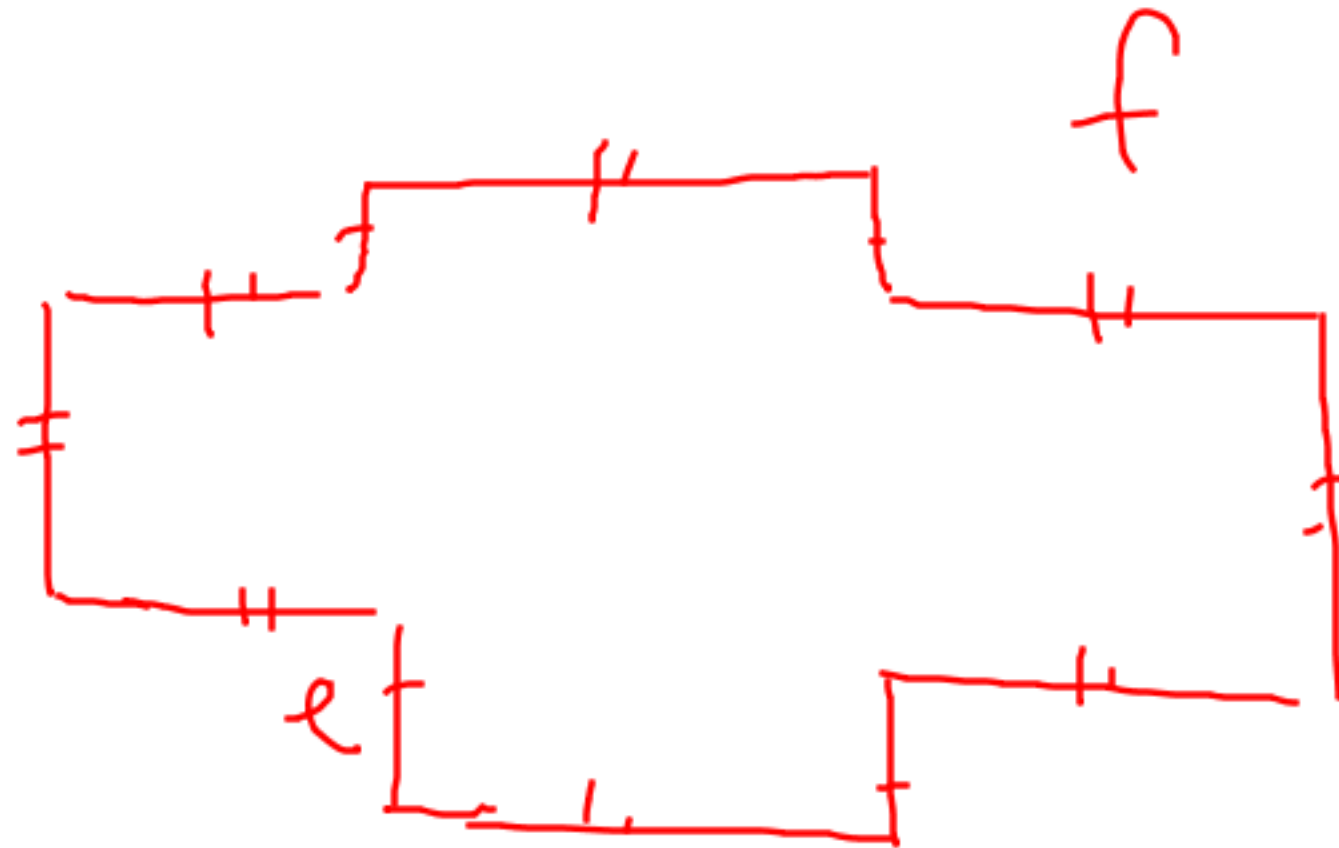
$$P = 2m + n$$

58.



$$P = 14c$$

58c



Crappy
Diagram
msv.



$$P = 4e + 8f$$

Homework: pp 300-1