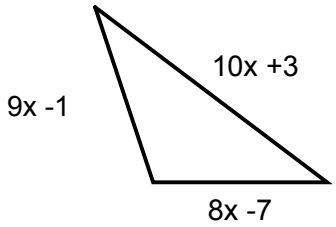
Warm Up

a) Given the following shape determine the perimeter.



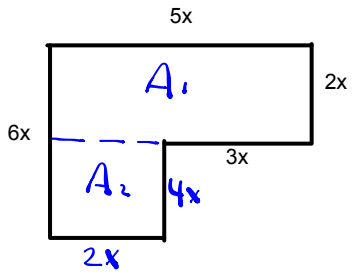
$P = 10x+3+9x-1+8x-7$
$= 10x+9x+8x+3-1-7$
$= 27x-5$

b) Determine the perimeter of the triangle when x = 2. (Show your work)

$P = 27x-5$
$= 27(2)-5$ ✓
$= 54-5$
$= 49$ ✓

Warm Up

a) Given the following shape determine the area.

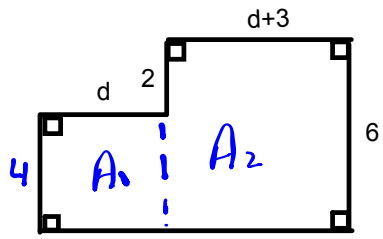


$A_{Total} = A_1 + A_2$
$= (5x)(2x) + (4x)(2x)$
$= 10x^2 + 8x^2$
$= 18x^2$

b) Determine the area of the shape when x = 3. (Show your work)

$A = 18x^2$
$= 18(3)^2$
$= 162$

#2 Text p. 262.



Perimeter

a) $P = d + 2 + d + 3 + 6 + d + 3 + d + 4$
$= 4d + 18$

b) $P = 4d + 18$
$= 4(5) + 18$
$= 38\text{m}$

Area

$A_{Total} = A_1 + A_2$
$= 4d + 6(d + 3)$
$= 4d + 6d + 18$
$= 10d + 18$

$A = 10d + 18$
$= 10(5) + 18$
$= 68\text{m}^2$

Review practice test

Homework: **Study** for Unit 4 test / chapter 5 Polynomials