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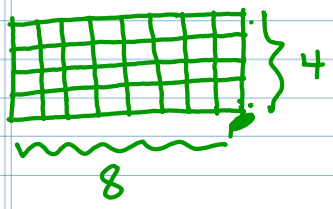
3/28 Ch. 9 - Area

p. 652

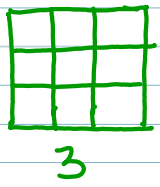
Area = 32 sq cm
32 cm^2



rectangle - parallelogram with right angles.

8 rows of 4
4 rows of 8
> 32 sq. cm
32 cm^2

2D length width



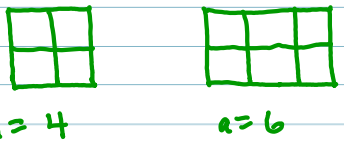
Area of 9 units

* why polygons are 2D.

(4 sided) polygon → quadrilateral with 2 sets parallel sides

closed figure
no curved lines

rhombus (too)



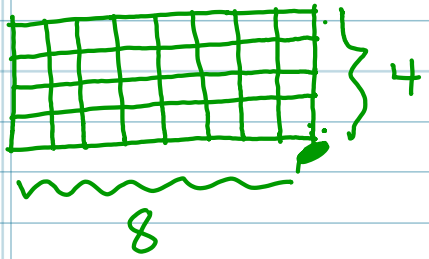
3 sides
3 angles (vertices)
vertex

livescribe

3/28 Ch. 9 - Area

p. 652

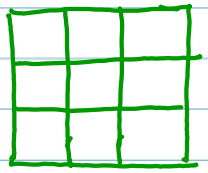
Area = 32 sq cm
32 cm^2



rectangle - parallelogram with right angles.

8 rows of 4
4 rows of 8
> 32 sq. cm
32 cm^2

2D length + width



Area of 9 units

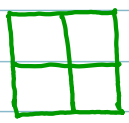
* why polygons are:

(4) sided polygon → quadrilateral with 2 sets parallel sides

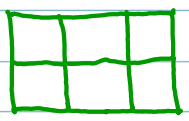
closed figure
no curved lines

3 sides
3 angles (vertices)
[vertex]

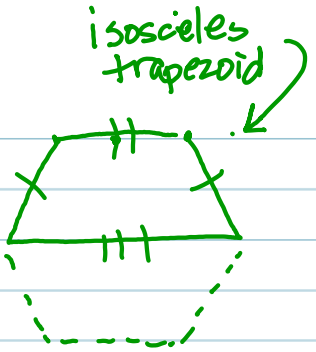
rhombus (too)



a = 4

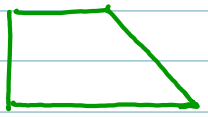


a = 6



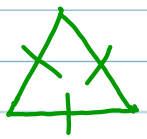
trapezoid - quadrilateral with at least one set parallel sides (inclusive def)

trapezoid - quadrilateral with one set of parallel sides (exclusive def)



right trapezoid

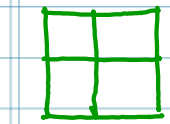
isosceles triangle - △ with at least 2 congruent sides



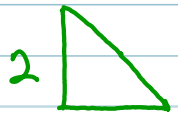
equilateral

all polygons have area
circles have area

easy-find area



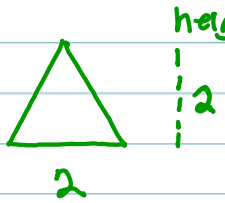
Area = 4



right triangle
isosceles

rectangle
$A = l * w$

triangle
$A = \frac{1}{2}(b \cdot h)$

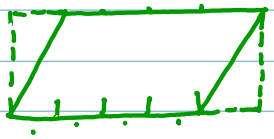


acute triangle
equilateral

p.659

② parallelogram

$A = b \cdot h$



h = 2

width 4
width 5 ?

HW (1-5)