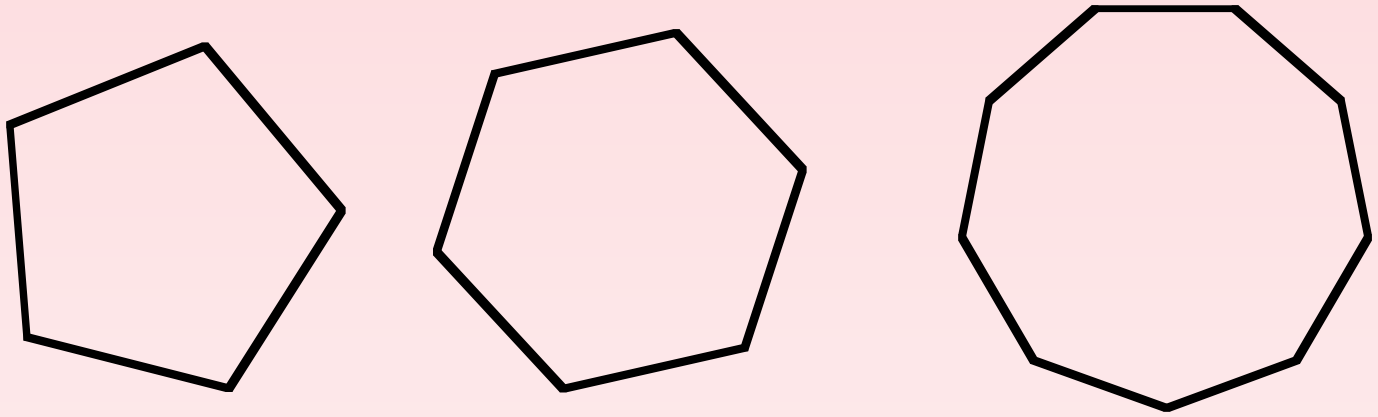
1.3 Triangles and Special Quadrilaterals

a) Name each of these three shapes.



b) The endpoint A of AB is at (1,3). The midpoint is at (4,8). Where
Graph them.

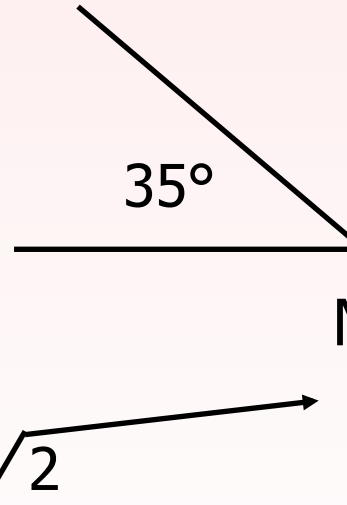
c) Find the three quarterpoints along AB where A = (2,4) and B = (10

d) What is m <1 ?

e) What is the midpoint between (3,-10) and (-5, -10)?

f) Name the angle <2 in every way you can:

g) Define collinear?



1.5 Triangles and Special Quadrilaterals

h) Is this polygon convex or concave? How do you know?

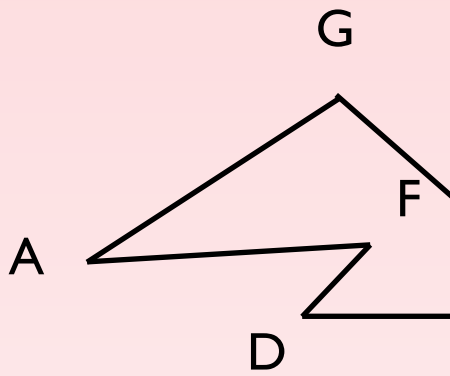
j) Give three names for the polygon.

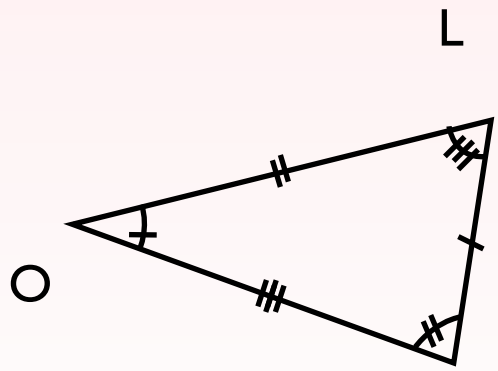
k) Draw an equiangular polygon.

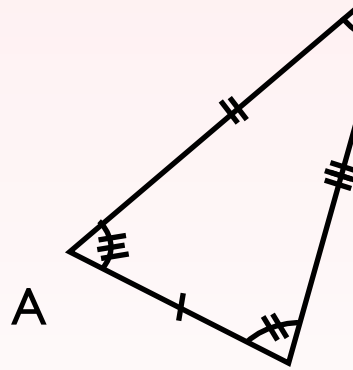
l) Write a congruency statement for the triangles below.

m) Draw an example of a linear pair.

n) Draw an example of vertical angles.





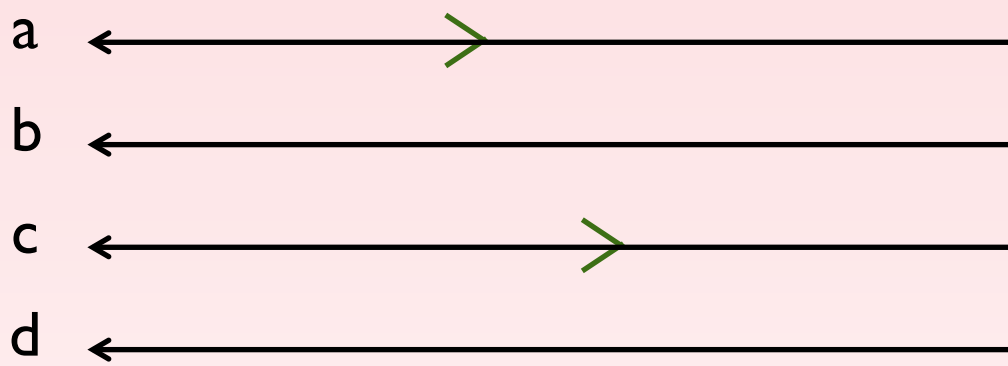


2. A Quick Word on Assumption

a) When you assume:

"You make an ass out of you and me."

b) Which lines are parallel?



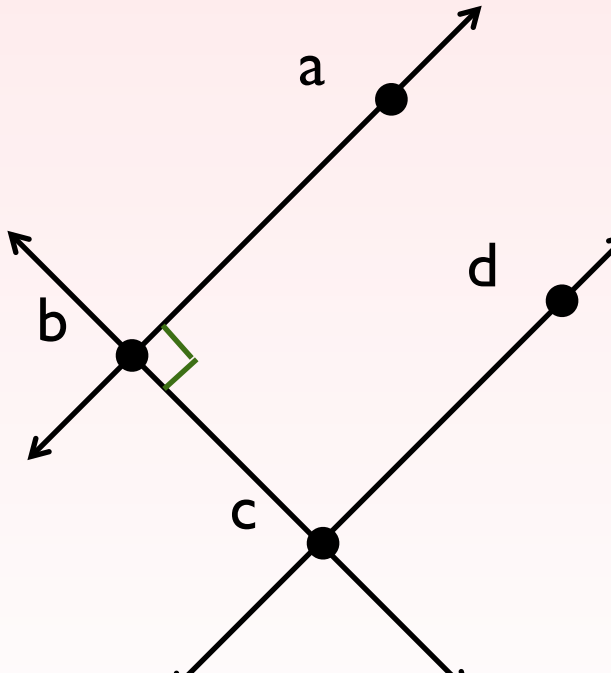
a || c

c) Which lines are perpendicular

none

How about now?

$\overleftrightarrow{ab} \perp \overleftrightarrow{bc}$



2. A Quick Word on Assumption

ngs you may not assume:

may not assume that just because two lines or
ents *look* parallel that they *are* parallel—they mus
ed parallel!

may not assume that two lines *are* perpendicular j
use they *look* perpendicular—they must be *marke*
endicular!

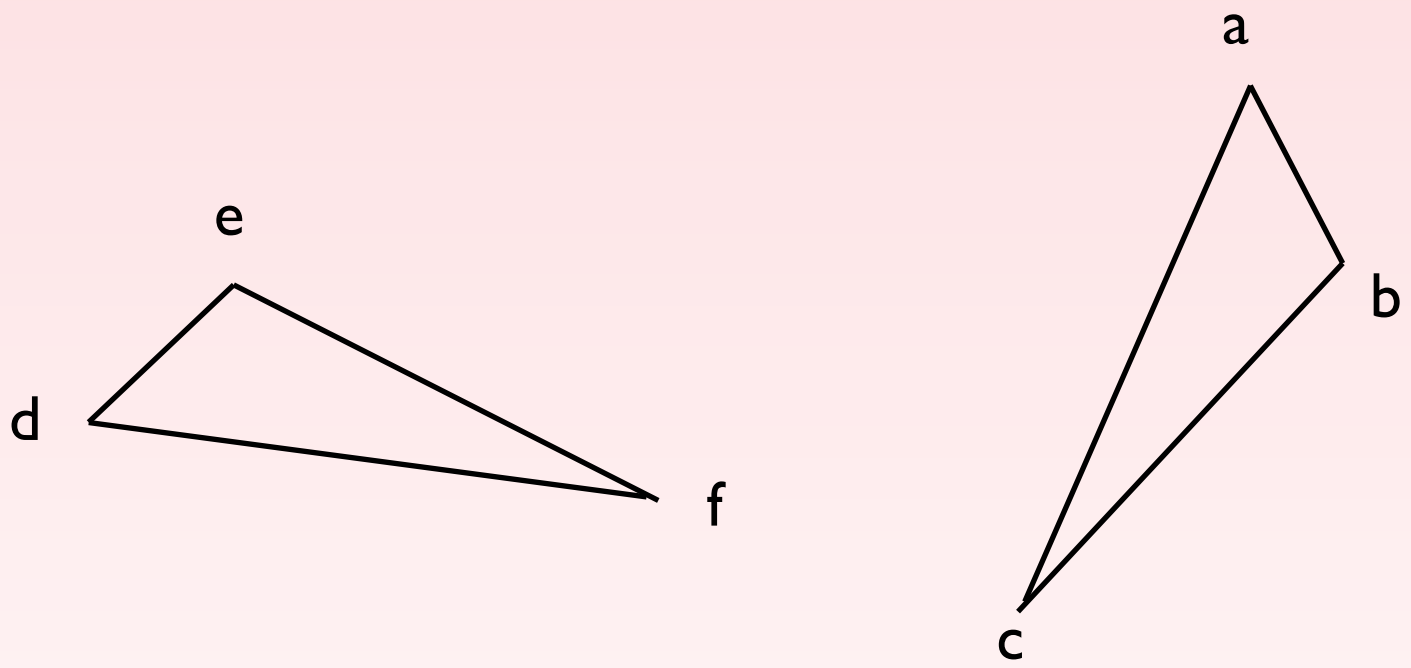
of angles, segments, or polygons are not necessar

3. How To Score Easy Points On Tests

a) Make an ass out of Mrs. Paunovska.

Sample Test Question

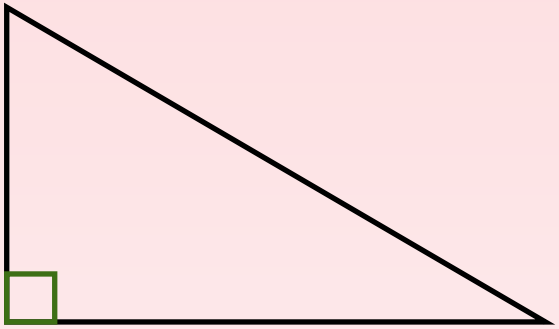
Write the congruency statement:



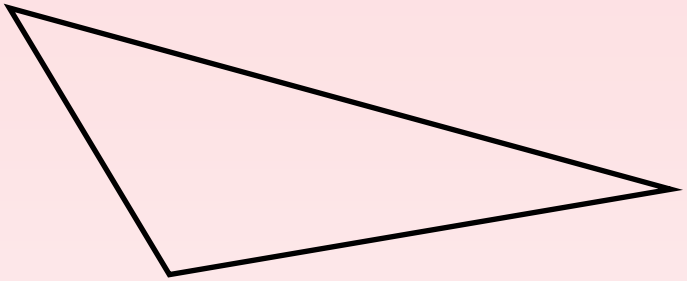
Yes! They "look" congruent but nothing has bee
marked congruent!...So the triangles are NOT

4. Notes

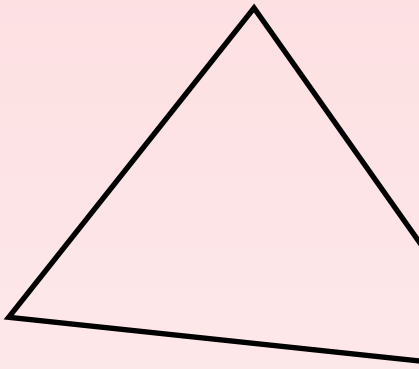
Right triangle



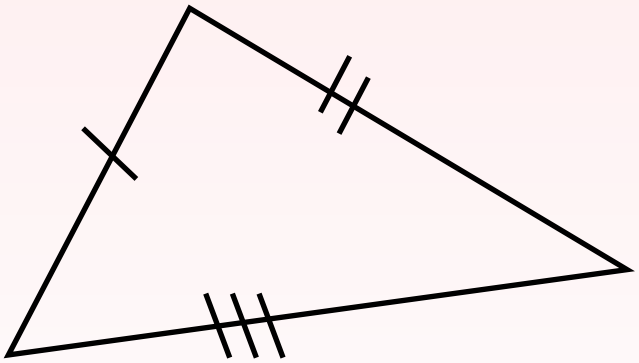
Obtuse triangle



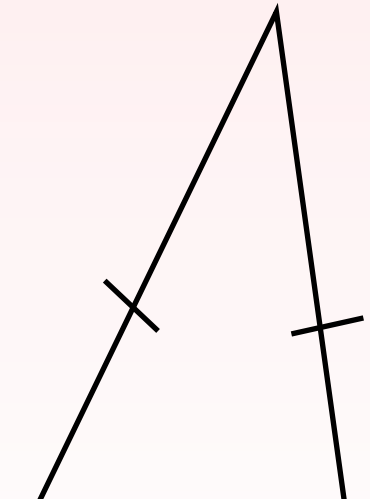
Acute triangle



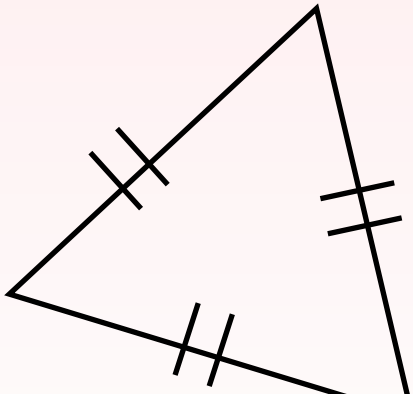
Scalene triangle



Isosceles triangle

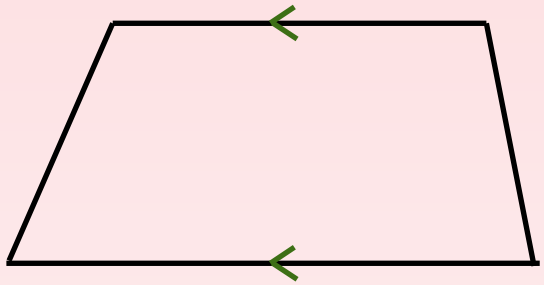


Equilateral triangle



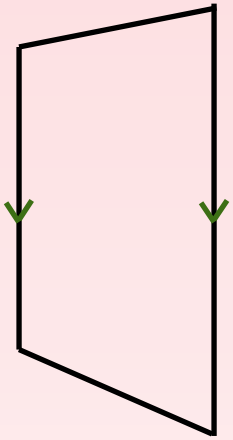
4. Notes

Trapezoid

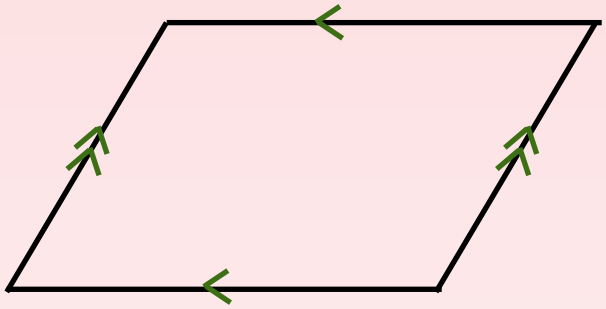


4. Notes

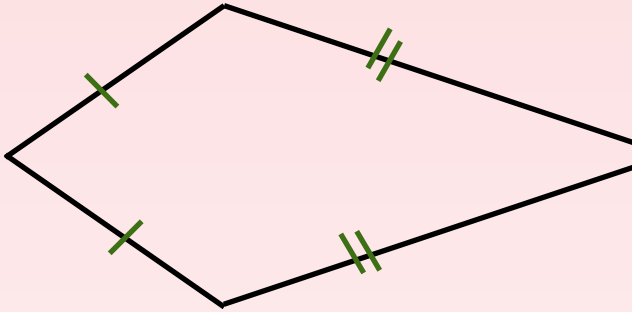
Trapezoid



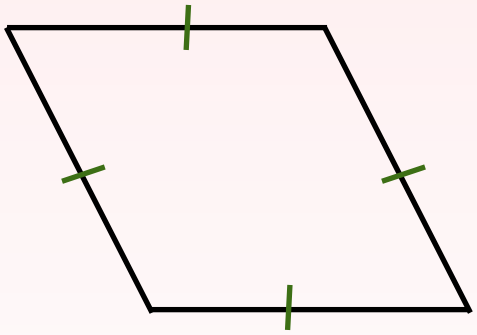
Parallelogram



Kite



Rhombus



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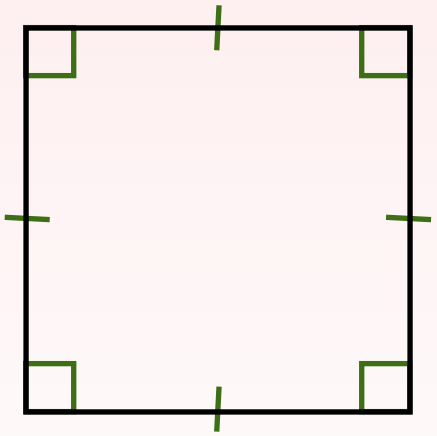
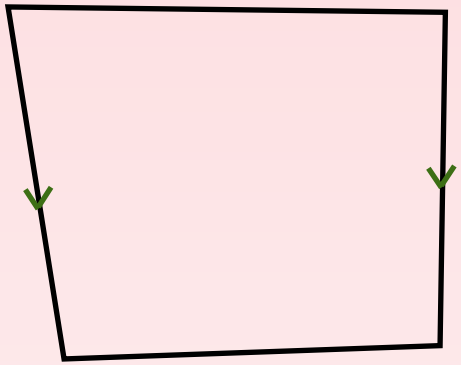


Rectangle

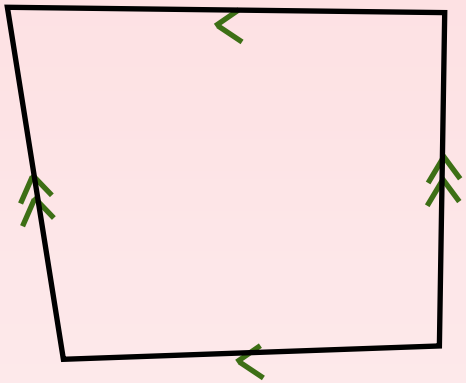
Square

4. Notes

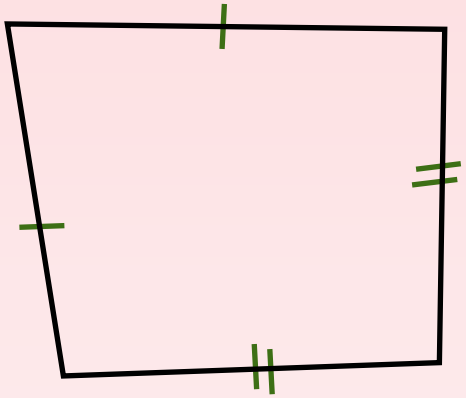
Trapezoid



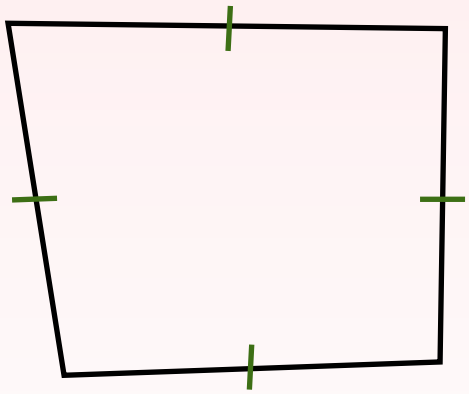
Parallelogram



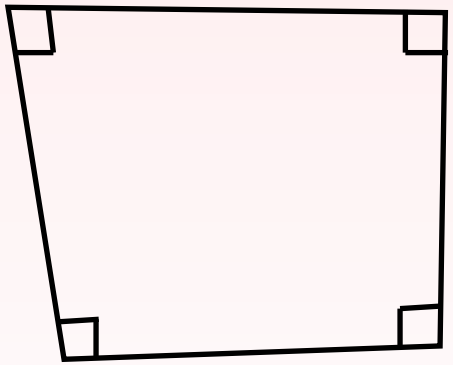
Kite



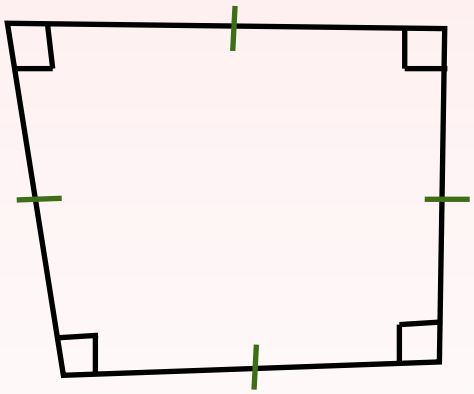
Rhombus



Rectangle

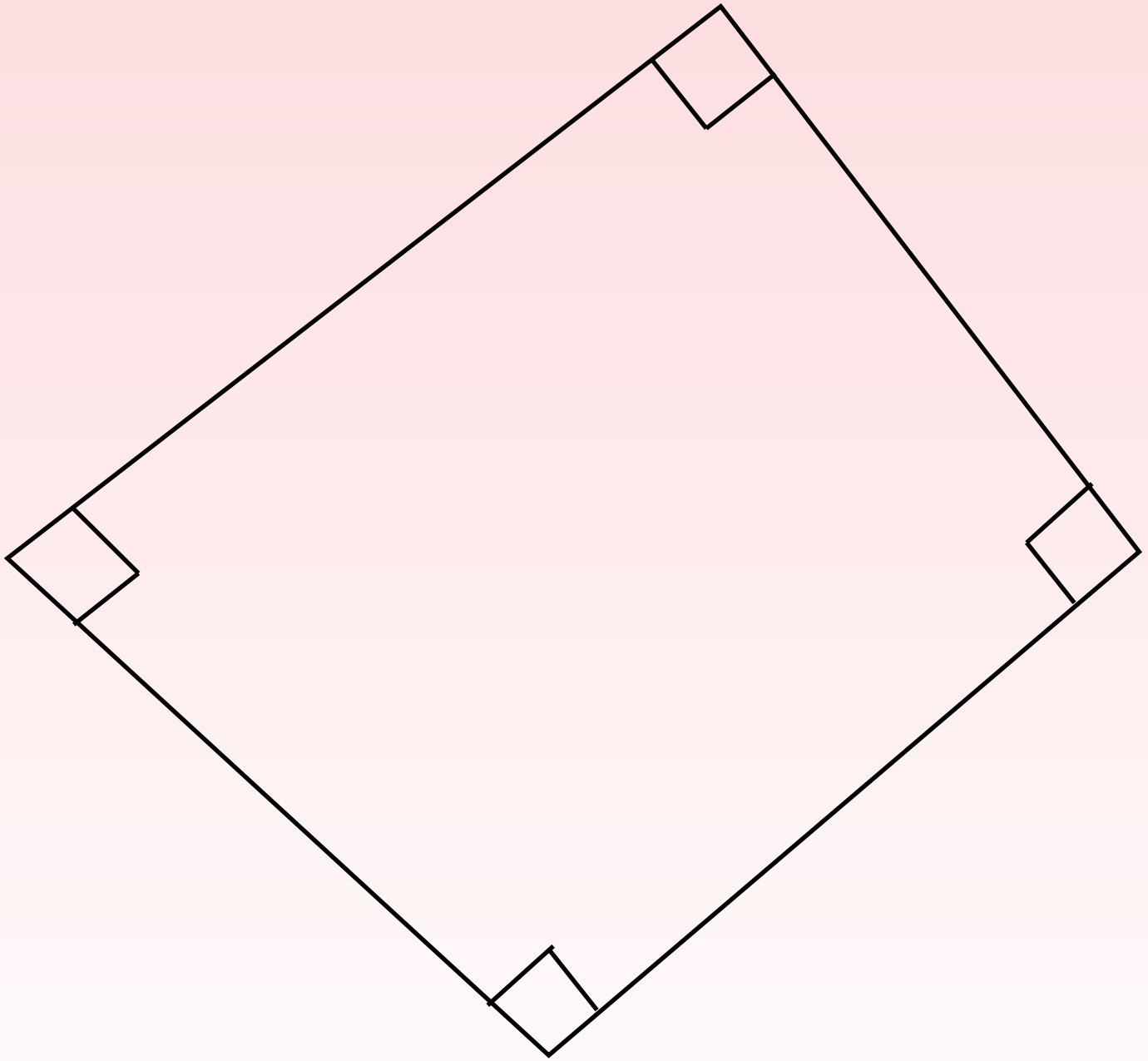


Square

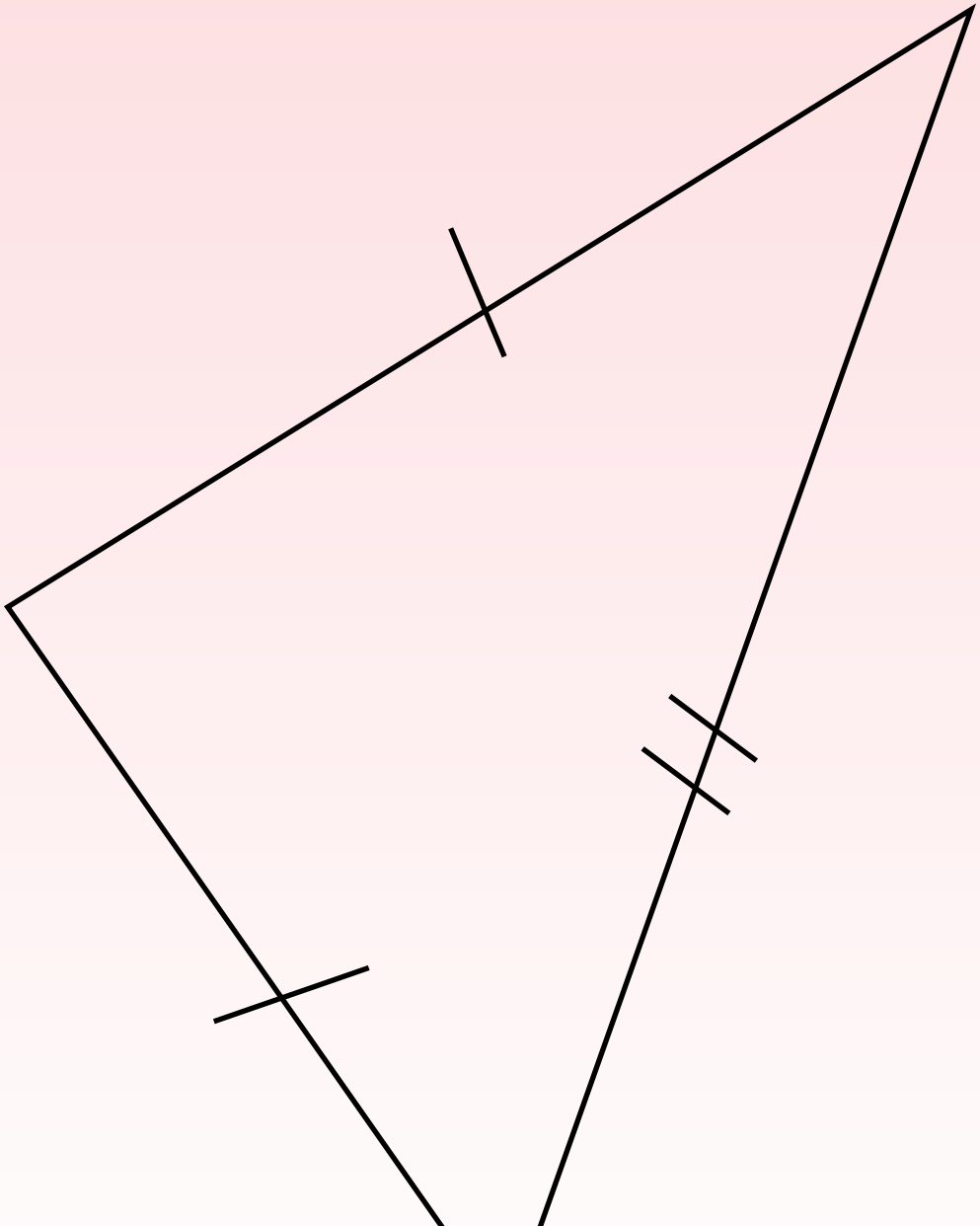


int being that it doesn't matter what it LOOKS like

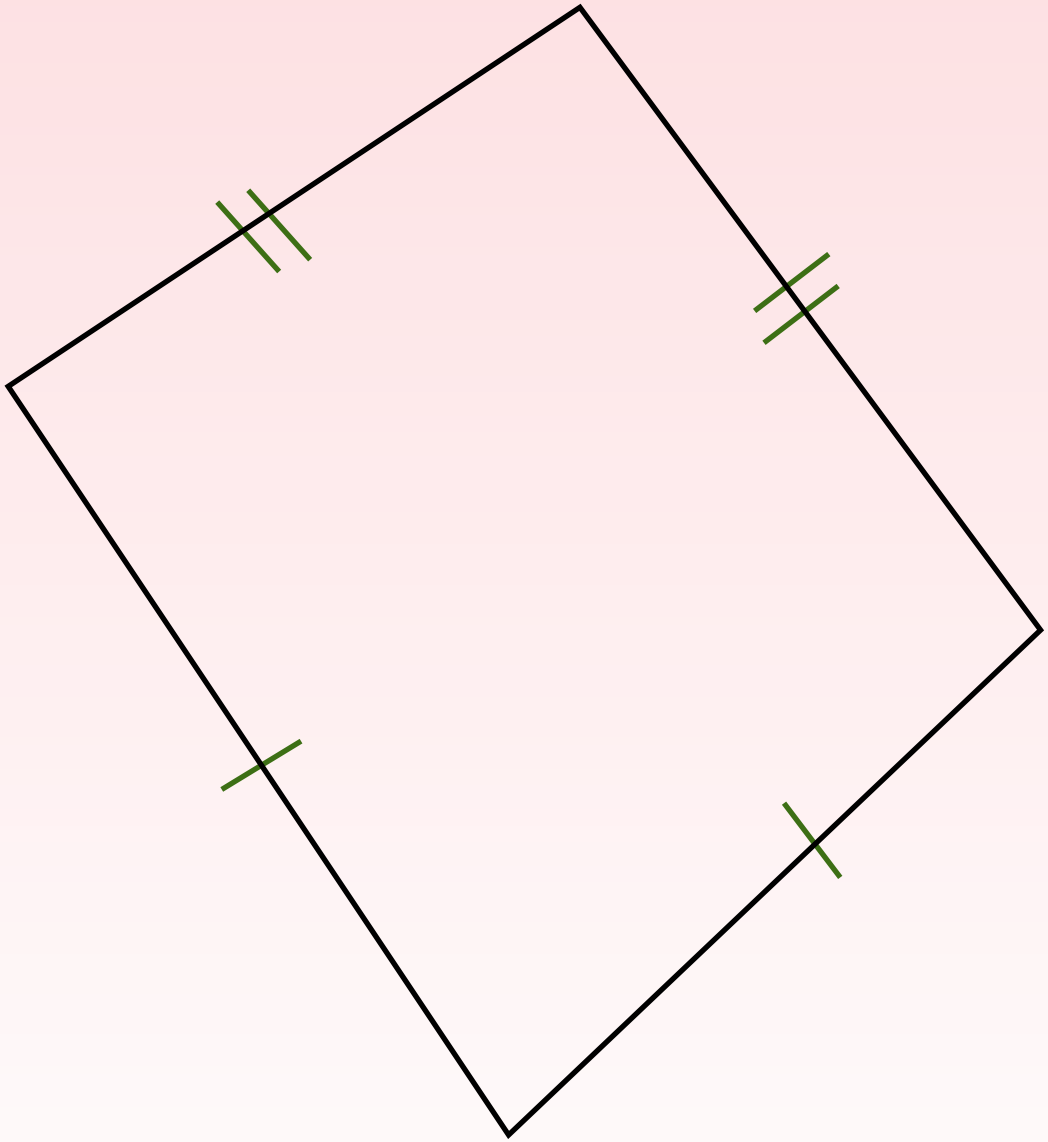
5. What is this?



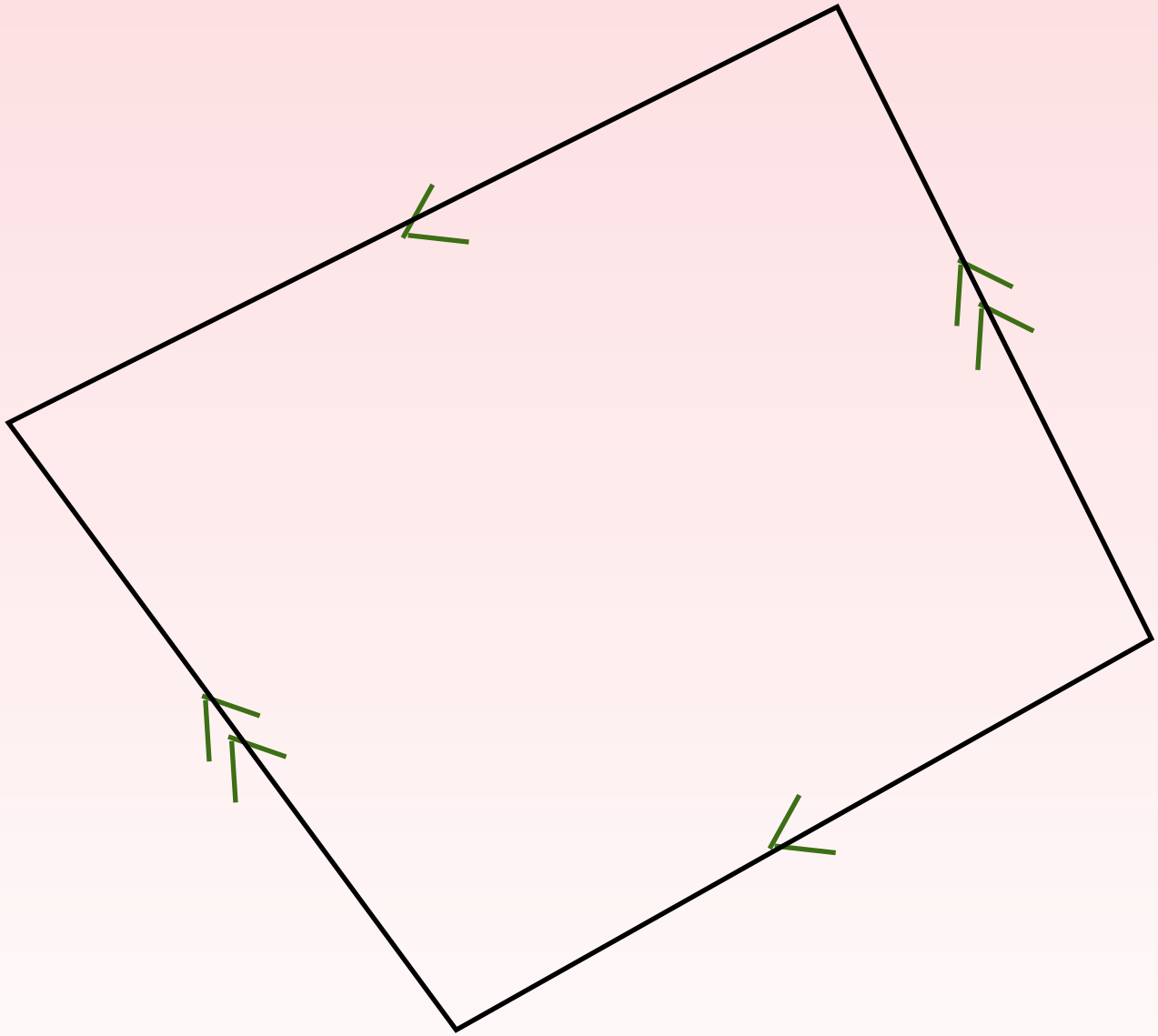
5. What is this?



5. What is this?



5. What is this?



6.HW & CW

5.1 Triangles and Special Quadrilaterals Worksheet