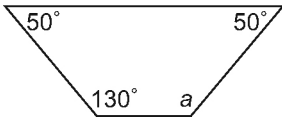


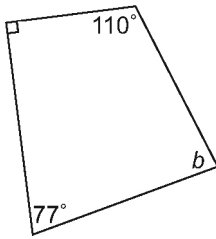
Lesson 7: Investigating Angles in a Quadrilateral

1. Determine the unknown angle measure in each quadrilateral.

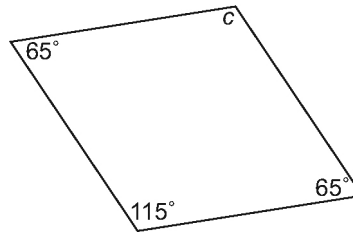
a)



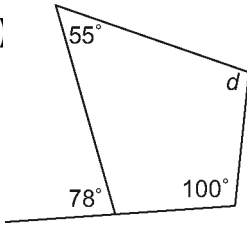
b)



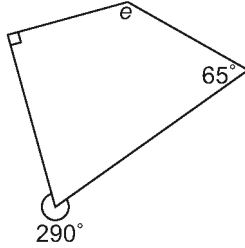
c)



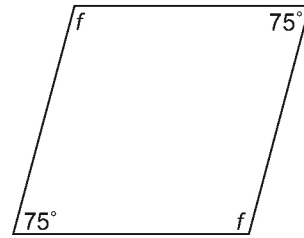
d)



e)



f)



2. A student drew 4 different quadrilaterals. He recorded the angle measures in a table.

Quadrilateral	$\angle A$	$\angle B$	$\angle C$	$\angle D$
a)	125°	75°	95°	60°
b)	89°	93°	97°	81°
c)	205°	32°	74°	49°
d)	41°	128°	51°	138°

Did the student measure the angles in each quadrilateral correctly? How do you know? Show work!

3. Find the measure of $\angle ADE$. Show all the steps you took to find its measure.

