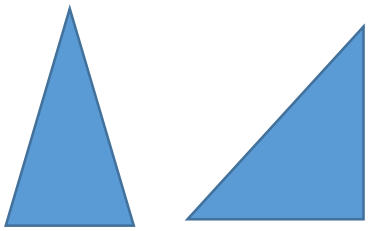
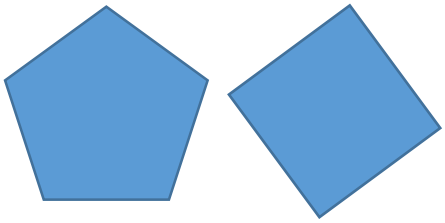
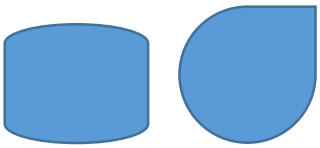
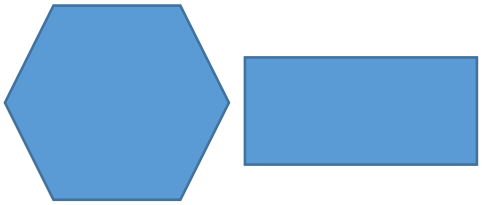
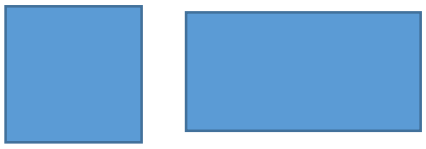
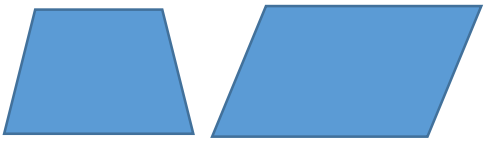
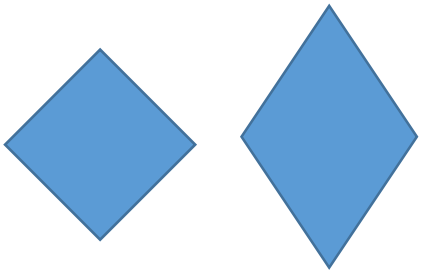
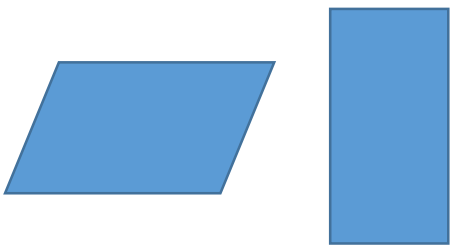
Assessment 3

Q 1. What property do the shapes in Column A have that those in Column B do not? The first one has been done for you.

Column A (These shapes have the property)	Column B (These shapes don't have the property)	Property
		*Shape has exactly 3 sides.*
		
		
		

Q 2. What type of quadrilateral is shown below? List any 3 of its properties.

i. _____

ii. _____

iii. _____

Q 3. Look at the shapes given below.

I II III IV

i. What is common between shapes I and II and what is the difference between them?

ii. What is common between shapes II and IV and what is the difference between them?

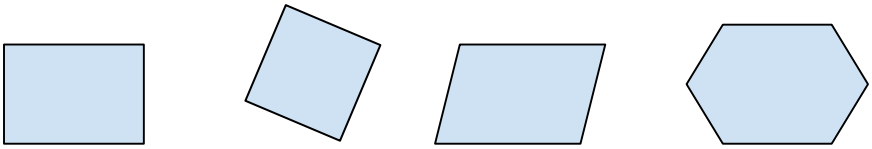
iii. What property is common to all 4 shapes? Write as many as you can.

_____

_____

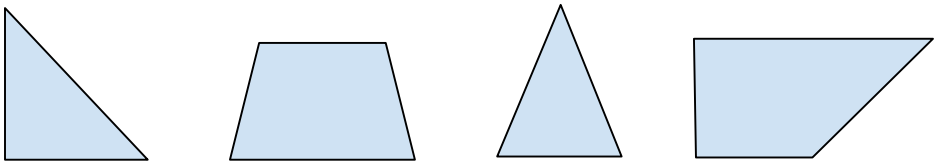
_____

Q 4. Which of these names would fit ALL the shapes given below?



A. rectangle
B. parallelogram
C. quadrilateral
D. none of these names fit *all* the shapes

Q 5. Shown below is a set of shapes. If this was a class of shapes, which of the given statements could be used to define this 'class'?



A polygon with

A. exactly 3 sides, exactly 1 pair of sides parallel.
B. exactly 3 sides, exactly 1 pair of sides equal.
C. at least 3 sides, exactly 1 pair of sides parallel.
D. at least 3 sides, exactly 1 pair of sides equal.

Q 6. Let's define a set of shapes called 'Parallelocurve' that have the following properties:

i. at least one curved side
ii. exactly 1 pair of parallel sides
iii. at least one right angle

Draw 2 shapes that are both 'Parallelocurves'.

1	2

Q 7. Which of the following CANNOT be drawn?

A. A rhombus with all angles right angles.
B. A parallelogram with only one pair of equal sides.
C. A quadrilateral with exactly one pair of adjacent sides equal.
D. A quadrilateral with one pair of sides parallel and the other pair of sides equal.