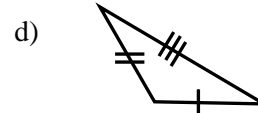
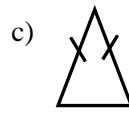
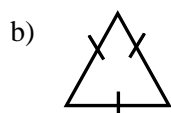
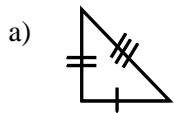


# Angle Measure, Polygons

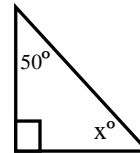
## Long-Term Memory Review – Grade 6 Review 1

1. Which of the following shapes are isosceles triangles?

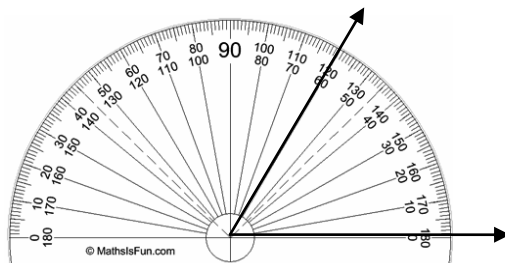


2. What is the sum of the interior angles of any triangle? \_\_\_\_\_

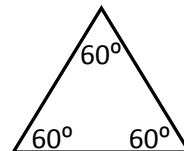
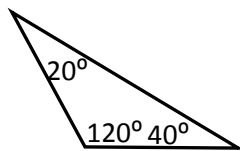
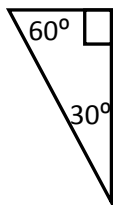
3. Find the measure of the missing angle in the triangle below.



4. Write the measure of the angle below. \_\_\_\_\_



5. Classify each of these triangles by the measure of their angles.

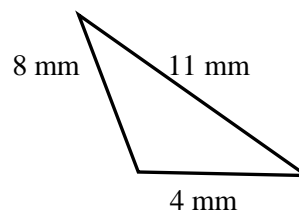
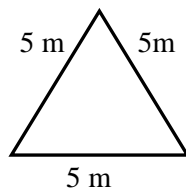
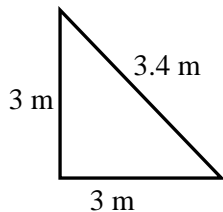


\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6. Classify each of these triangles by the measure of their sides.



\_\_\_\_\_

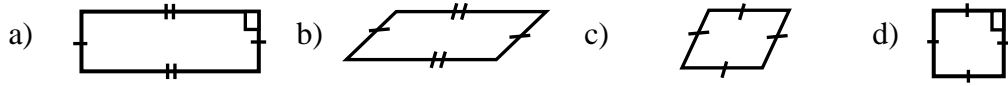
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# Angle Measure, Polygons

## Long-Term Memory Review – Grade 6 Review 2

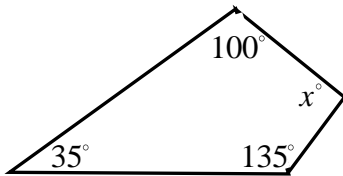
1. Which of the following shapes are regular quadrilaterals?



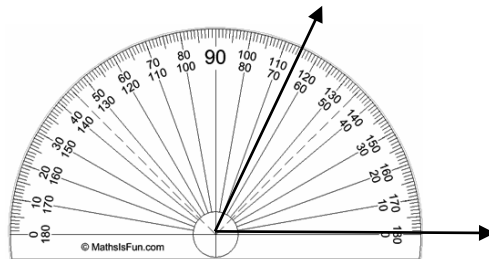
Explain why each of them are or are not regular.

2. Knowing that the sum of the interior angles of any triangle is  $180^\circ$ , what is the sum of the interior angles of a trapezoid? Draw a trapezoid and break it up into triangles.

3. Find the measure of the missing angle in the quadrilateral below.



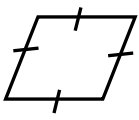

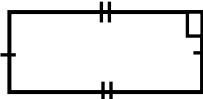
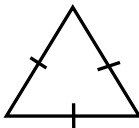
4. Write the measure of the angle below. \_\_\_\_\_



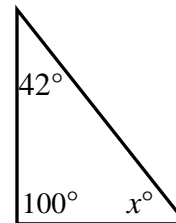
# Angle Measure, Polygons

## Long-Term Memory Review – Grade 6 Review 3

1. Which of the following shapes are regular polygons?

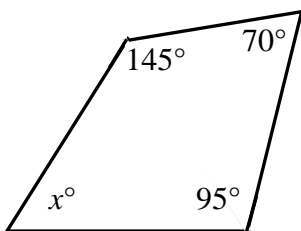
a)       b)       c)       d) 

2. Find the measure of the of the missing angle in the triangle to the right.

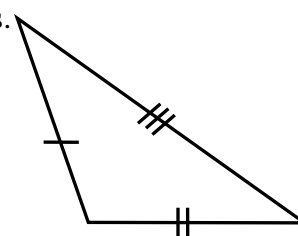
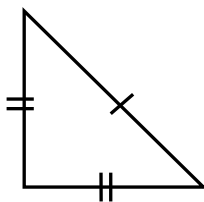
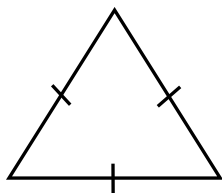


3. What is the sum of the interior angles of any quadrilateral? \_\_\_\_\_

4. Find the measure of the missing angle in the quadrilateral below.

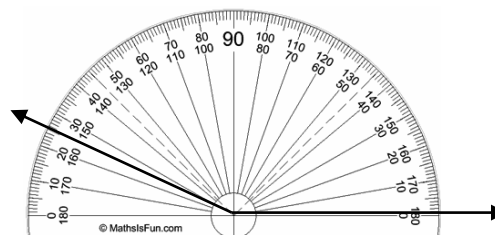


5. Classify each of these triangles below by the measure of their sides.



\_\_\_\_\_

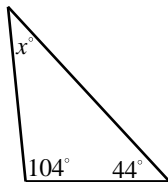
6. Write the measure of the angle to the right. \_\_\_\_\_



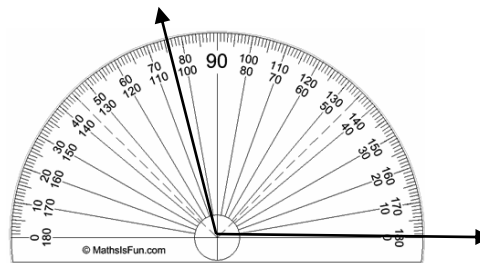
# Angle Measure, Polygons

## Long-Term Memory Review – Grade 6 Review 4

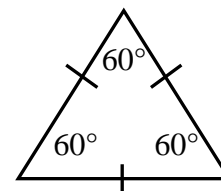
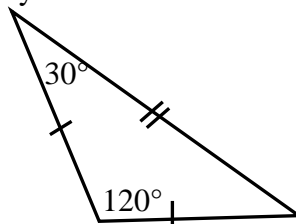
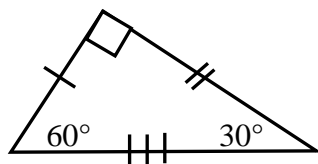
1. Draw a sketch of any irregular polygon. Explain in words why it is irregular.
2. What is the sum of the interior angles of any triangle? \_\_\_\_\_  
What is the sum of the interior angles of any quadrilateral? \_\_\_\_\_
3. Find the measure of the missing angle in the triangle below.



4. Write the measure of the angle to the right. \_\_\_\_\_



5. Classify each of these triangles by the measure of their angles and sides.



\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

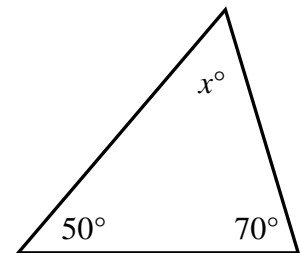
# Angle Measure, Polygons

Long-Term Memory Review – Grade 6

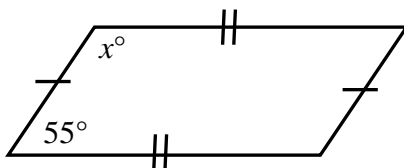
## Quiz

1. Sketch a scalene triangle. Identify whether it is a regular or irregular polygon. Explain why.
2. Sketch a rhombus. State if it is a regular or irregular polygon. Explain why.
3. Define: regular polygon

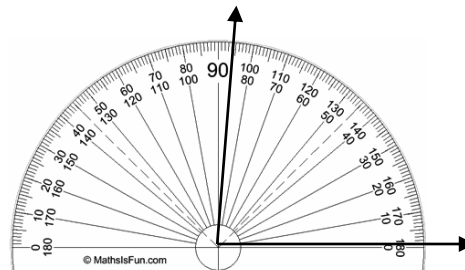
4. Find the measure of the missing angle in the figure.



5. Find the measure of the missing angle labeled  $x^\circ$  in the figure below.



6. Write the measure of the angle below. \_\_\_\_\_



# Angle Measure, Polygons

Long-Term Memory Review – Grade 6

## ANSWERS

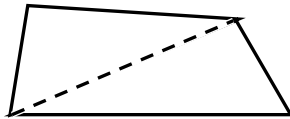
### Review 1 Answers

1. b) and c) (at least two sides congruent)
2.  $180^\circ$
3.  $40^\circ$
4.  $60^\circ$
5. right; obtuse; equiangular
6. isosceles; equilateral; scalene

### Review 2 Answers

1. d) ; a) and b) not all sides are congruent; c) not all angles are congruent; d) all sides and all angles are congruent.

2.  $360^\circ$   
example:



3.  $90^\circ$
4.  $65^\circ$

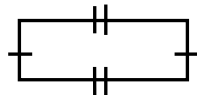
### Review 3 Answers

1. d)
2.  $38^\circ$
3.  $360^\circ$
4.  $50^\circ$
5. equilateral; isosceles; scalene
6.  $155^\circ$

### Review 4 Answers

1. Answers may vary; Irregular polygons do not have all sides and all angles congruent.

example:



2.  $180^\circ$  ;  $360^\circ$
3.  $32^\circ$
4.  $110^\circ$
5. right and scalene; obtuse and isosceles; equiangular and equilateral (or regular)

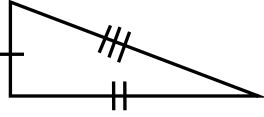
## Angle Measure, Polygons

Long-Term Memory Review – Grade 6

### QUIZ Answers

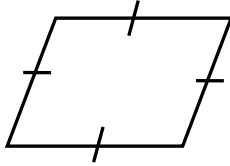
- Answers may vary. Scalene triangles are irregular polygons because not all sides are congruent.

Example:



- Answers may vary. A rhombus is an irregular polygon because not all angles are congruent.

Example:



- A polygon with congruent sides and angles.
- $60^\circ$
- $125^\circ$
- $85^\circ$