# WORKOUT

# POLYGONS

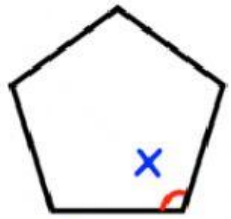
**Notice:** Sum of the interior angles = $(n-2) \times 180^0$

Name: _____ Nos: ___ Grade: 6/___

**Question 4: Each of the polygons below are regular.**

**Calculate the size of each interior angles, x.**

(a)



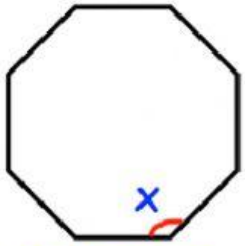

regular pentagon

(b)




regular hexagon

(c)




regular octagon

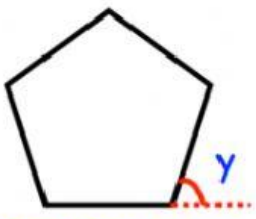
**Question 5: Calculate the size of each interior angle in regular polygons with;**

**a. 15 sides b. 20 sides c. 24 sides d. 36sides**

**Question 6: Each of the polygons below are regular.**

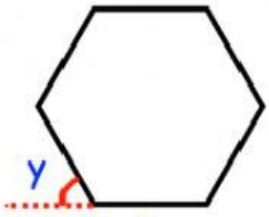
**Calculate the size of each exterior angle, y.**

(a)



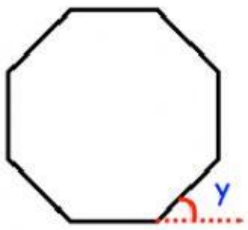

regular pentagon

(b)




regular hexagon

(c)




regular octagon

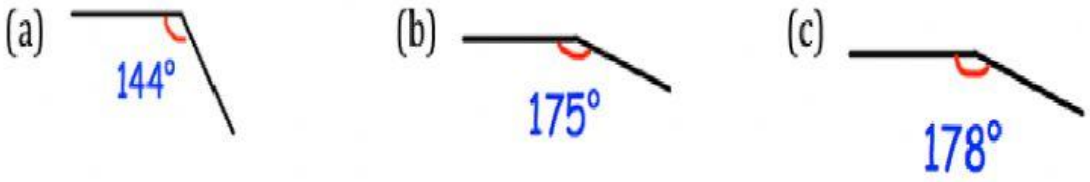
| 72 | 120 | 10 | 165 | 15 | 156 | 18 | 20 | 162 |
|---|---|---|---|---|---|---|---|---|
| 24 | 168 | 60 | 72 | 135 | 180 | 108 | 45 | |

LIVEWORKSHEETS

**Question 7: Calculate the size of each exterior angle in regular polygons with**

**a. 15 sides b. 18 sides c. 20 sides d. 24 sides**

**Question 8: Shown below is one interior angle from regular polygons. Calculate how many sides the polygons have.**




Click on finished, check your answers and send via line ID: gpower11

Upload image via classpoint.app through the class code as showed.

By T. OJO

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