DATE: 13.08.18
TOPIC: UNDERSTANDING ELEMENTARY SHAPES
WORKSHEET NO:4

| S.NO | MCQ |  |  | ANSWER |
| :---: | :---: | :---: | :---: | :---: |
| 1 | How many degrees are there in one-third of right angle? |  |  |  |
| 2 | A triangle having measure of all its angles less than $90^{\circ}$ is called $\qquad$ <br> a) Obtuse angled triangle <br> b) Right angled triangle <br> c) Acute angled triangle <br> d) none |  |  |  |
| 3 | What is the angle between two perpendicular lines? <br> a) $180^{\circ}$ <br> b) $60^{\circ}$ <br> c) $0^{\circ}$ <br> d) $90^{\circ}$ |  |  |  |
| 4 | The number of right angles turned through by hour hand of a clock when it goes from 5 to 8 is <br> a) One <br> b) two <br> c) three <br> d) none of these |  |  |  |
| 5 | Only two angles of $\qquad$ triangles are equal. <br> a) A scalene <br> b) an isosceles triangle | c) a right triangle | d) none |  |


| S.NO | FILL IN THE BLANKS | ANSWER |
| :---: | :---: | :---: |
| 1 | One complete angle is equal to ___ complete revolution of hands of clock. |  |
| 2 | Measure of obtuse angle is ___ than $90^{\circ}$ but ___ than $180^{\circ}$ |  |
| 3 | All sides of triangle are unequal, then it is called ____ triangle. |  |
| 4 | A ___ is a polygon made up of four line segment. |  |
| 5 | A triangle with all angles equal |  |

## ANSWER THE FOLLOWING QUESTIONS

Name the angles shown in the following figures

1


2 Where will the hands of a clock stops if it.
a) Starts at 2 and makes $1 / 4$ of revolution clockwise?
b) Stats at 5 and makes $3 / 4$ of revolution clockwise?
c) Starts at 6 and make complete revolution?
d) Starts at 7 and make $1 / 4$ of a revolution?

3 Find the number of right angles turned through by the hour hand of a clock when it goes from.
a) 5 to 11
b) 10 to 1
c) 2 to 8
d) 7 to 1

4 Classify the angles:
a) $43^{\circ}$
b) $90^{\circ}$
c) $178^{\circ}$
d) $270^{\circ}$
e) $0^{\circ}$
f) $360^{\circ}$
g) $1^{\circ}$
h) $182^{\circ}$
i) $91^{\circ}$
j) $352^{\circ}$

5 State what kind of angle is formed in clockwise direction?

i. North and East
iii) North and South East
ii. North West and South East
iv) East and South East

6 Name the types of following triangles.
A) Based on sides
B) Based on angles


(b)

(c)

( 0

(iv)
(ii)

(v)

(vi)

7 Identify the points that lie in the interior, in the exterior and on the triangle.

${ }^{\circ} \mathrm{O}$
8 What fraction of a clockwise revolution does the hour hands of a clock turn and write the number of right angles in each figure:

b)
c)
)

