

Angles

Section A – 1 mark

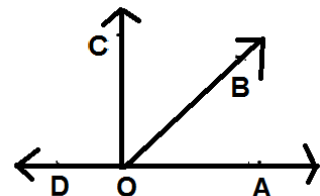
- 1). $\frac{3}{5}$ of a right angle =-----degrees.
- a) 60° b) 54° c) 90° d) 108°
- 2) Angle whose measure is more than 90° but less than 180° is called:
- a) acute angle a) obtuse angle c) complete angle d) right angle.
- 3) Two angles whose sum is 90° are called_____ angles
- a) Complementary b) Supplementary c) Complete d) Reflex
- 4) The angle between two opposite rays is
- a) right b) obtuse c) acute d) Straight
- 5) $\frac{7}{9}$ of a right angle is _____degrees
- a) 77 b) 70 c) 60 d) None of these
- 6) What type of angle is formed in the corner of a square ?
- a) Acute angle b) Obtuse angle c) Right angle d) Straight angle

Section B – 2 marks

- 1) What is supplement of 29.5° .
- 2) One of the angles of a linear pair is obtuse. What kind of angle is the other?
- 3) How many degrees are there in a) $\frac{2}{15}$ complete angle
b) one-fourth of straight angle
- 4) What is the measure of the supplement of the complement of 45° ?

Section C – 3 marks

- 1) Draw the following by using scale & pencil
- a) One pair of adjacent angles
b) One linear pair.
c) Vertically opposite angles.
- 2) Look carefully at the given figure and write down
- a) one pair of complementary angles,
b) two pairs of supplementary angles.



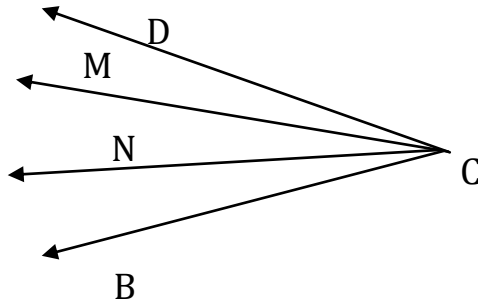
3) Write the kind of angle formed between the following directions

a) North and South

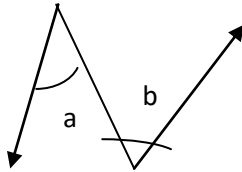
b) North and North East

c) South and East

4) Name the six angles in the diagram above that have c as vertex.



5) In the following figure, are $\angle a$ and $\angle b$ adjacent? Justify your answer.



6) Define with figure

a) supplementary angles.

b) Vertically opposite angles.

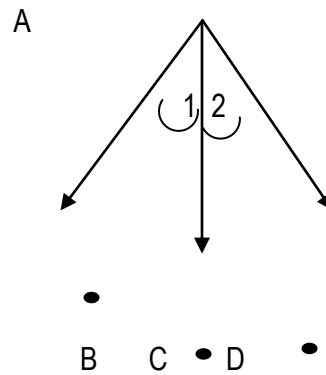
c) Linear pair.

7) Complete the following using the given figure.

a) Vertex of $\angle 1$ = _____

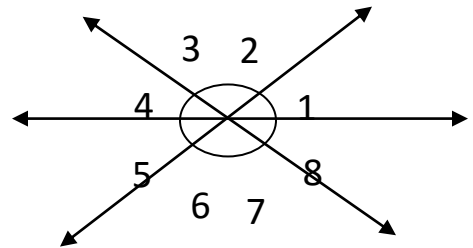
b) Another name for $\angle 2$ is _____

c) $\angle 1$ and $\angle 2$ are _____ angles.



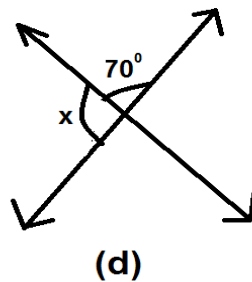
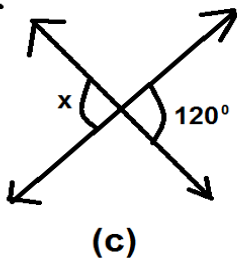
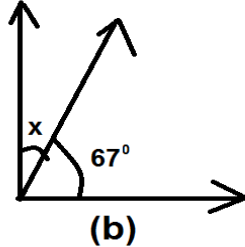
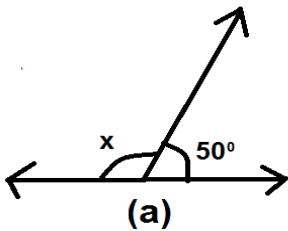
Section D – 4 marks

1) From the given fig, answer the following



- a) $\angle 3 = \dots\dots\dots$ - (Vertically Opposite)
- b) $\angle 6 = \dots\dots\dots$ - (Vertically Opposite)
- c) $\angle 2$ and $\dots\dots\dots$ - are adjacent angles
- d) $\angle 7$ and $\dots\dots\dots$ - are adjacent angles
- e) The sum of all angles is _____
- f) If $\angle 1 + \angle 2 + \angle 3 + \angle 4 + \angle 5 + \angle 7 + \angle 8 = 310^\circ$, Find $\angle 6$

2) Find the measure of $\angle x$ in the following figures



3) How many degrees are there in?

- a) $\frac{2}{3}$ Of rightangle?
- b) $\frac{5}{6}$ of straight angle ?
- c) $\frac{5}{15}$ Of complete angle?

d) Supplementary angle of 52° ?