

Mathematics Assignment

Date.....

Class - VII

Chapter - 5 Lines and Angles.

Q1. What is the measure of the complement of the following angles?

i) 45°

ii) 65°

iii) 54°

Q2. What is the measure of the supplement of the following angles?

i) 100°

ii) 55°

iii) 125°

Q3. Find the angle which is equal to its complement.

Q4. Find the angle which is equal to its supplement.

Q5. Identify which of the following pairs of angles are complementary and which are supplementary?

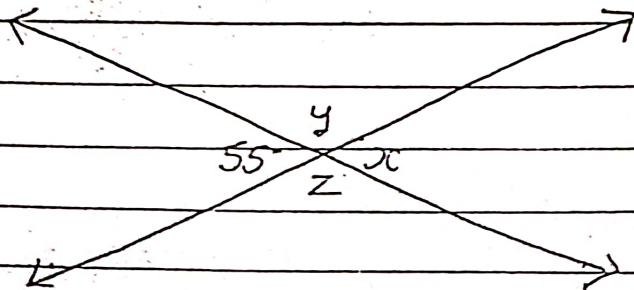
i) $80^\circ, 10^\circ$

iii) $130^\circ, 50^\circ$

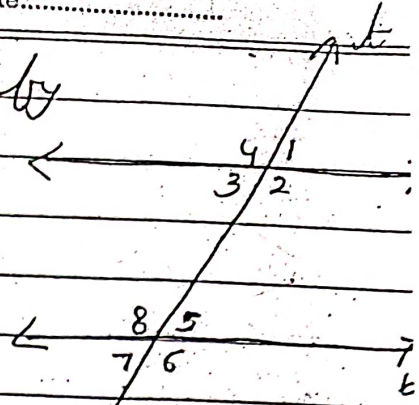
ii) $63^\circ, 27^\circ$

iv) $112^\circ, 68^\circ$

Q6. Find the values of the angles x , y and z .

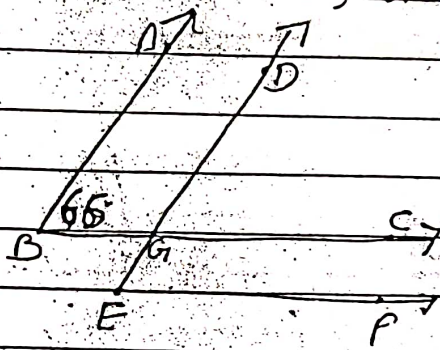


- Q.7. In the adjoining figure, identify
- pairs of corresponding angles
 - pairs of alternate interior angles
 - vertically opposite angles

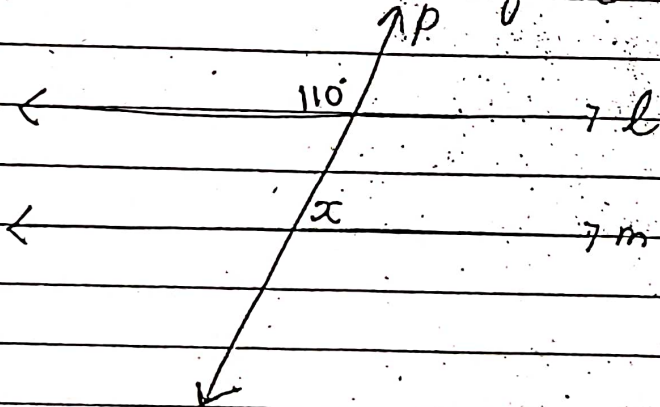


- Q.8. In the given figure, the arms of two angles are parallel. If $\angle ABC = 70^\circ$, then find

- $\angle DGC$
- $\angle DEF$



- Q.9. Find the value of x if $l \parallel m$



- Q.10. Identify -

- five pairs of adjacent angles
- Three linear pairs
- Two pairs of vertically opposite angles

