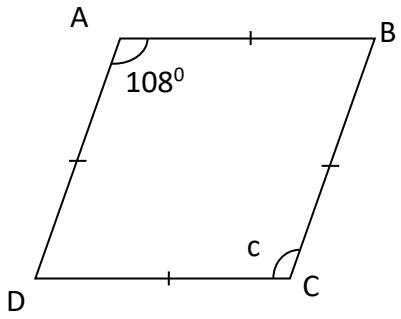
# Brilliance Tuition Centre, Redbank Plains

## MATHS WORKSHEETS - GEOMETRY - RHOMBUS - FINDING UNKNOWN ANGLE MEASURES

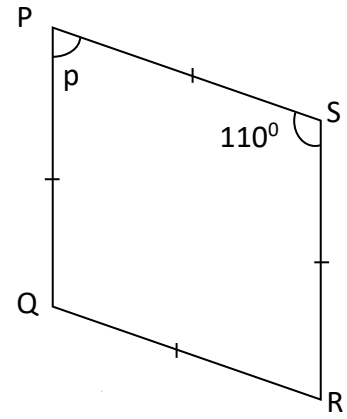
Find the unknown angle measures.

1.



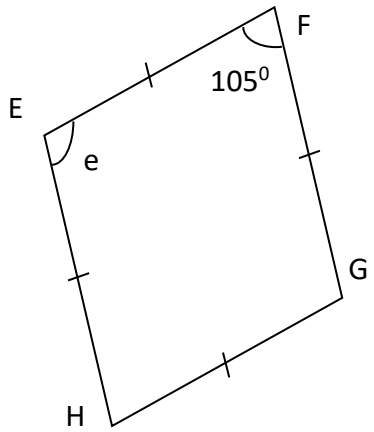

∠c=

2.



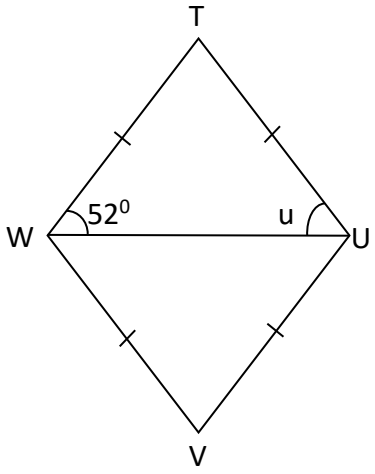

∠p =

3.



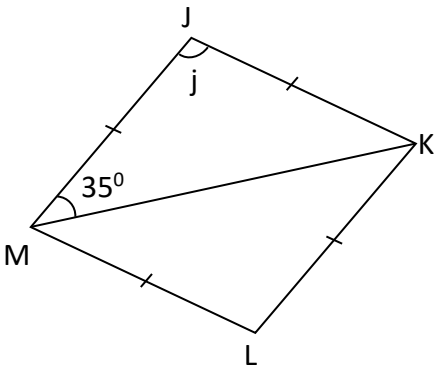

∠e =

4.



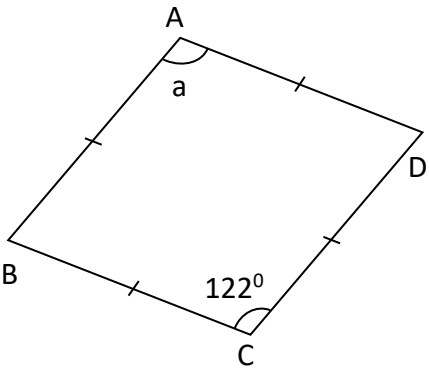

∠u=

5.



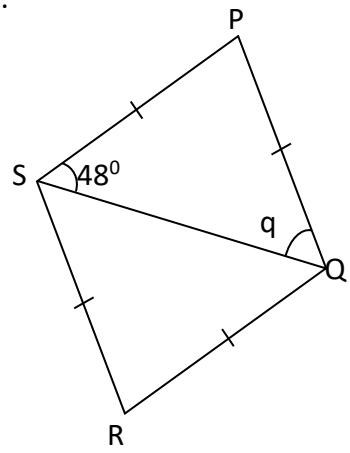

∠j =

6.



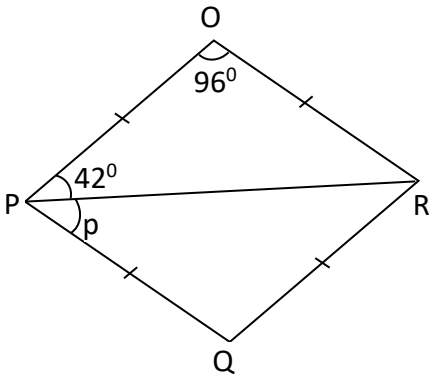

∠a =

7.



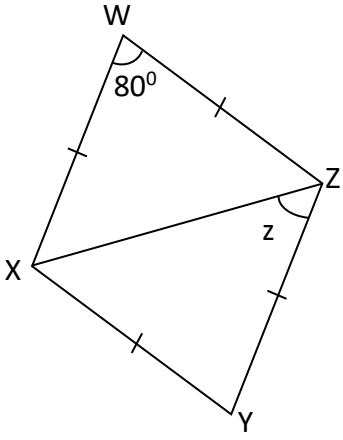

∠q=

8.




∠p =

9.




∠z =

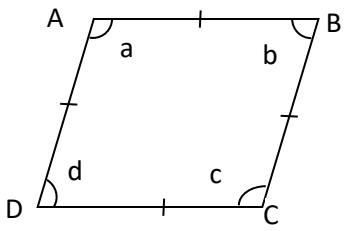


www.upscstudymaterials.com

# MATHS WORKSHEETS - GEOMETRY - RHOMBUS - FINDING UNKNOWN ANGLE MEASURES

**Answer Key:**

Rhombus:




- All sides are equal
- Opposite sides are equal
- Two pairs of parallel sides
- Opposite angles are equal $\angle a = \angle c$; $\angle d = \angle b$
- Adjacent angles have a sum of $180^0$

1. $\angle c = 108^0$
2. $\angle p = 180\text{-}110 = 70^0$
3. $\angle e = 180\text{-}105 = 75^0$
4. $\angle u = 52^0$
5. $\triangle$ KJM is an isosceles triangle. $\angle k = 35^0$; $\angle j = 180\text{-}(35+35) = 110^0$
6. $\angle a = 122^0$
7. $\triangle$ PSQ is an isosceles triangle. $\angle q = \angle s = 48^0$
8. $\angle p = 180\text{-}(96+42) = 42^0$
9. $\triangle$ WXZ is an isosceles triangle. 180-80 = 100

   $100/2 = 50^0$ ; $\angle WXZ = 50^0$; $\angle WZX = 50^0$

   $\angle XWZ$ & $\angle WZY$ are adjacent. $\angle z = 180\text{-}(50+80) = 50^0$