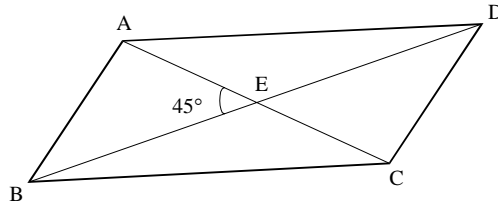


S.4 Add Maths Quiz 8(a)

Time allowed: 25 minutes

Total Mark: 16

1.

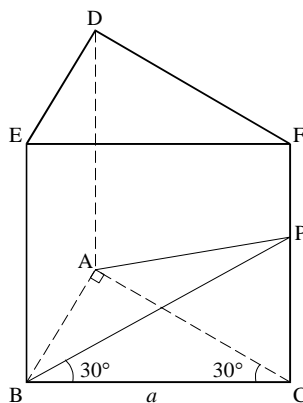


In parallelogram ABCD, $AB = 2$, $BC = 4$, the angle between the diagonals AC and BD is 45° .

Find the area of ABCD.

(6 marks)

2. The figure shows a right prism whose base is a triangle ABC with $\angle BAC = 90^\circ$, $\angle ACB = 30^\circ$ and $BC = a$. P is a point on the edge CF such that $\angle PBC = 30^\circ$.



- Express BP and PC in terms of a .
- Find $\angle APB$ correct to the nearest 0.1° .
- Find the angle between the planes ABP and ABC correct to the nearest 0.1° .

(2 + 6 + 2 marks)

End of Quiz