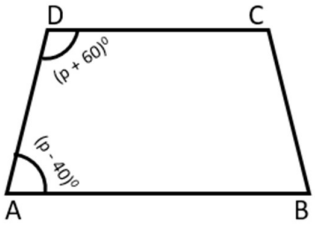
Trapezium Worksheet – 2

1. In the below given trapezium ABCD find the measure of ∠D.



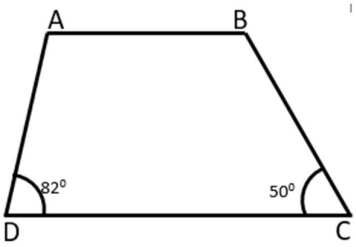
a) 120°

b) 130°

c) 140°

d) 150°

2. In the below given ABCD trapezium, find the measure of ∠A + ∠B.



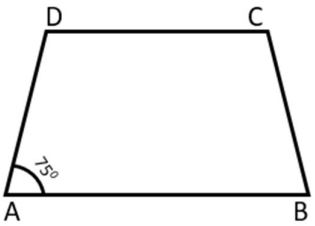
a) 98°

b) 130°

c) 128°

d) 228°

3. In the below given isosceles trapezium, find the measure of ∠B, ∠C and ∠D.



a) ∠B = 75°, ∠C = 105°, and ∠D = 100°

b) ∠B = 75°, ∠C = 100°, and ∠D = 105°

c) ∠B = 75°, ∠C = 105°, and ∠D = 105°

d) ∠B = 80°, ∠C = 100°, and ∠D = 100°

4. ABCD is a trapezium such that AB || CD, ∠A : ∠D = 2 : 3 and ∠B : ∠C = 7 : 5. Find the measure of all the angles of the trapezium.

a) ∠A = 75°, ∠B = 75°, ∠C = 105°, and ∠D = 108°

b) ∠A = 72°, ∠B = 105°, ∠C = 75°, and ∠D = 108°

c) ∠A = 75°, ∠B = 105°, ∠C = 105°, and ∠D = 108°

d) $\angle A = 75^o$, $\angle B = 80^o$, $\angle C = 100^o$, and $\angle D = 100^o$

5. Sum of all internal angles of a isosceles trapezium is equal to _____.

a) 180^o b) 270^o

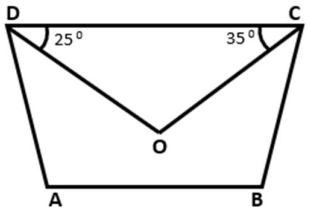
c) 340^o d) 360^o

6. ABCD is a trapezium in which AB ||CD and $\angle A = 130^o$, $\angle B = 110^o$. Then, $\angle C$ is equal to _____.

a) 50^o b) 70^o

c) 65^o d) 45^o

7. In a trapezium ABCD, DO and CO are bisectors of $\angle D$ and $\angle C$ respectively. Find the value of $\angle DAB$ and $\angle ABC$.



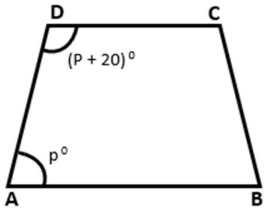
a) $\angle DAB = 130^o$, and $\angle ABC = 110^o$

b) $\angle DAB = 130^o$, and $\angle ABC = 100^o$

c) $\angle DAB = 120^o$, and $\angle ABC = 110^o$

d) $\angle DAB = 110^o$, and $\angle ABC = 130^o$

8. Find the measure of all the angles in the below given isosceles trapezium ABCD.



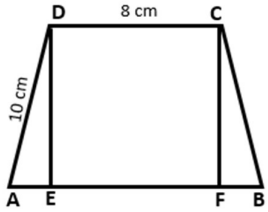
a) $\angle A = 80^o$, $\angle B = 100^o$, $\angle C = 80^o$, $\angle D = 100^o$

b) $\angle A = 80^o$, $\angle B = 110^o$, $\angle C = 80^o$, $\angle D = 110^o$

c) $\angle A = 80^o$, $\angle B = 80^o$, $\angle C = 100^o$, $\angle D = 80^o$

d) $\angle A = 80^o$, $\angle B = 80^o$, $\angle C = 100^o$, $\angle D = 100^o$

9. Find the perimeter of the below given isosceles trapezium ABCD, where AB || CD, AD = BC and DCEF is a square.



a) 40 cm b) 45 cm

c) 48 cm d) 48 cm^2

10. The perimeter of an isosceles trapezium is 136 cm, and the bases are 67 cm and 27 cm in length. Find the length of the non-parallel side of the trapezium.

a) 40 cm b) 41 cm

c) 42 cm d) 82 cm