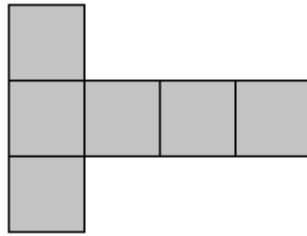


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1. Name the 3-D shape which has the net as shown below.



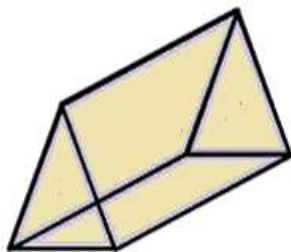
3-D shape: _____

2. Draw the net of an octahedron.

3. The base of a cone is always a _____?

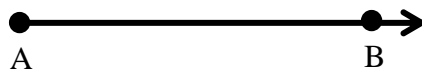
- a. Triangle b. Rectangle c. Circle d. Hyperbola

4. Draw the net of this 3-D shape.



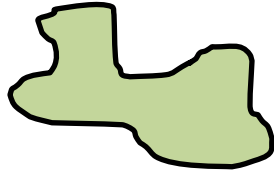
Draw Net here:

5. What is the name and label of this shape?



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6. What are the dimensions of this shape?



Dimensions = _____

7. A Point has _____ Dimensions.

- a. 0
- b. 1
- c. 2
- d. 3

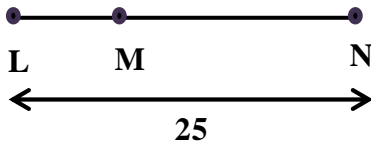
8. What is the length of the following segment?



Length = _____

9. What will be the length of LM if MN is 4 times MN?

Length LM = _____



10. A segment bisector bisects the line segment into _____ equal parts:

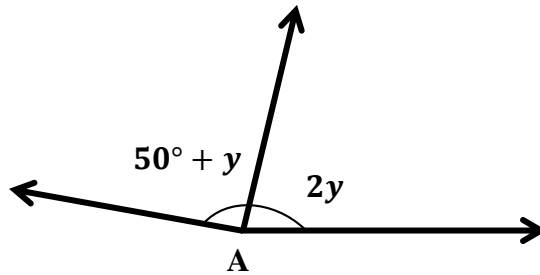
- a. 1
- b. 2
- c. 3
- d. 4

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11. Draw an angle of 80° using a protractor.

12. Draw an angle bisector of a right angle.

13. Angle A = 170° , find the value of y .



$y =$ _____

14. What will be the measure of angles A and B if A is 2 times B and both angles are supplementary?

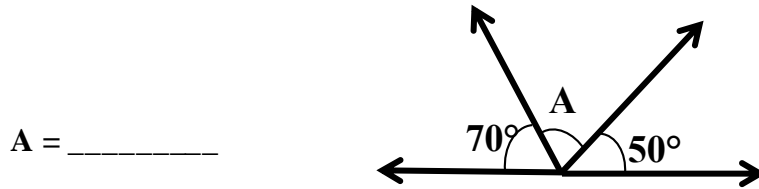
Angle A = _____ ; Angle B = _____

15. What will be the measure of angles X and Y if X is 4 times Y and both angles are complementary?

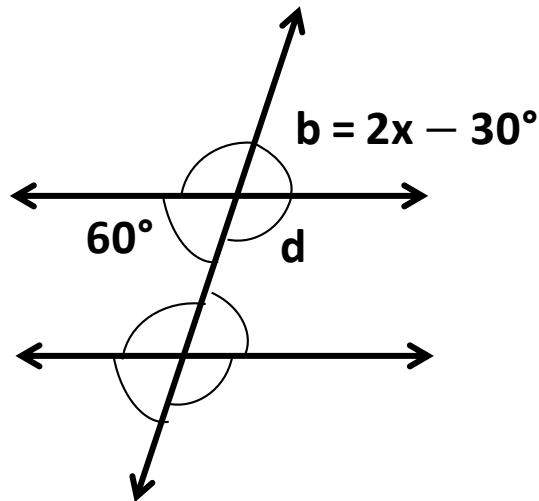
Angle X = _____ ; Angle Y = _____

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16. Find the angle A to the nearest degrees in the figure below.



17. Find the unknown angle 'd' for the figure given below.



angle d = _____

18. The parallelogram ABCD has angle W = 75°, angle Z = 75°:



Angle X = _____ ; Angle Y = _____

19. A Dodecagon has _____ sides.

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20. How many sides does the polygon have if the sum of its interior angles is 540° ?

Number of sides = _____

21. What is the sum of the interior angles of a nonagon?

Angle sum = _____

22. What will be the coordinate of B if Line segment AB has a Midpoint M = (1,0) and A = (3,-2)?

B = _____

23. Find the distance $|XY|$ if X = (1/2, 1/4) and Y = (-1,0).

distance = _____

24. A line segment has _____ midpoint(s).

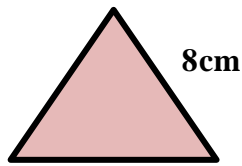
- a. 1
- b. 2
- c. 3
- d. 4

25. What will be R if the midpoint of RS is 12 and S is 10?

R = _____

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26. What is the perimeter of the equilateral triangle shown below?



Perimeter = _____ cm

27. What will be the diameter of a circle if its circumference is 12π cm?

Diameter = _____ cm

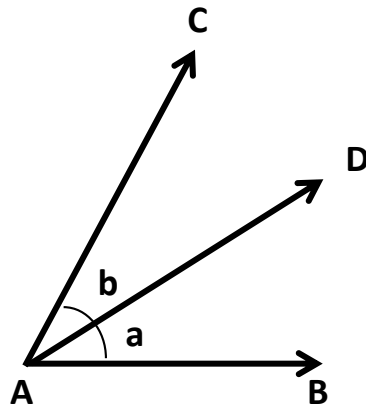
28. What will be the length of a square whose area is 169 cm^2 ?

Length = _____ cm

29. Draw the segment bisector using a protractor.



30. What will be the value of a and b if the ray AD is an angle bisector of the angle $CAB = 72^\circ$?



$a =$ _____ ; $b =$ _____