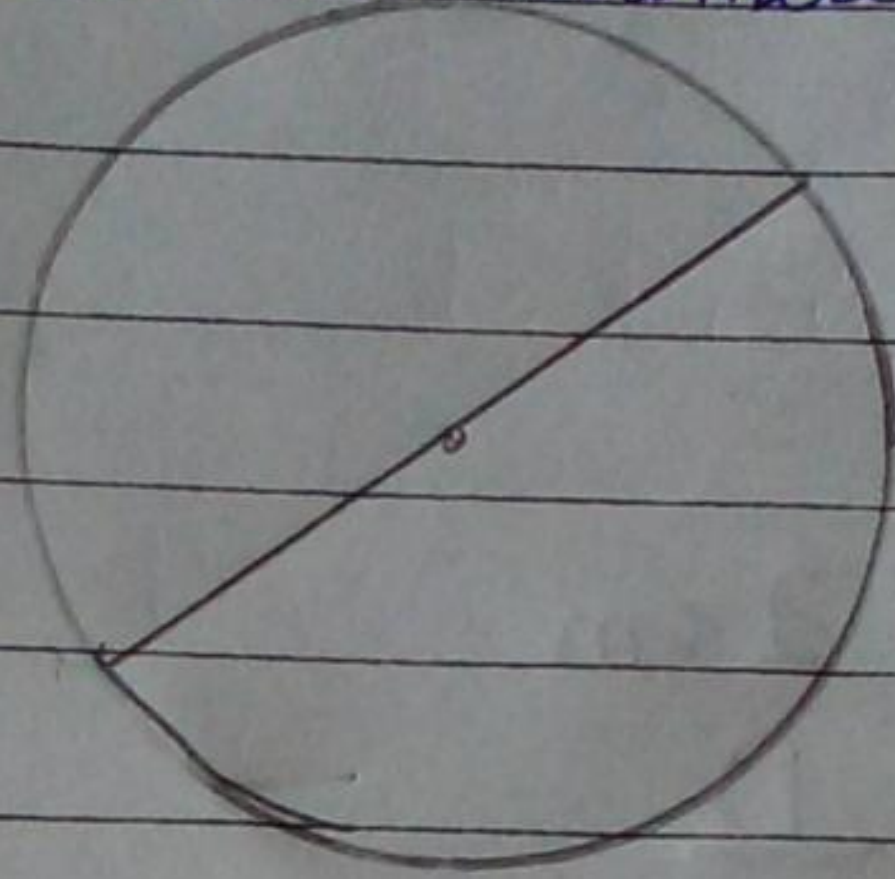
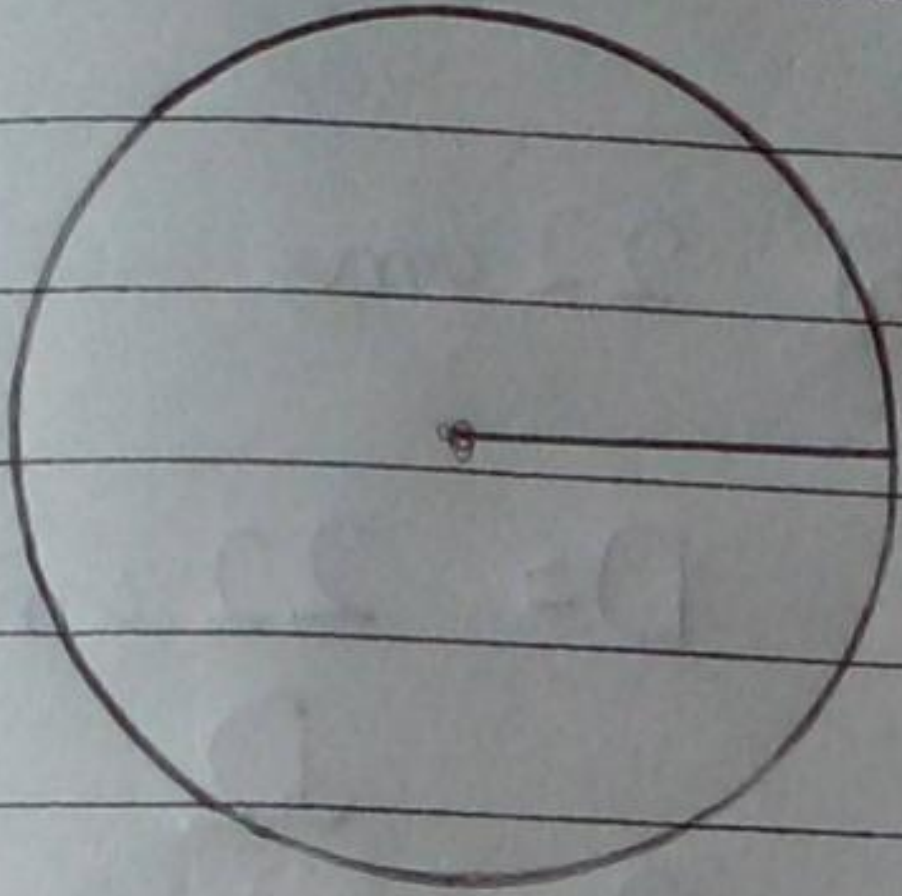


~~Exercise~~ Exercise - 13(C)

circle.

1. Draw the radius and the diameter in the following

a)



Radius

Diameter

2. Fill in the blanks.

- Diameter is twice the radius of a circle.
- Radius of a circle is the distance from the centre to the circumference of a circle.
- A circle has no sides.
- Diameter of a circle always passes through the centre.
- Radius of a circle is half the diameter of the circle.

Q2

3 Find the radii of the circle whose diameters are given as follows

a) 12 cm

$$D = 12 \text{ cm}$$

$$R = \frac{D}{2}$$
$$= \frac{12}{2} = 6 \text{ cm}$$

b) 22 cm

$$D = 22 \text{ cm}$$

$$R = \frac{D}{2}$$
$$= \frac{22}{2} = 11 \text{ cm}$$

c) 18 cm

$$D = 18 \text{ cm}$$

$$R = \frac{D}{2}$$
$$= \frac{18}{2} = 9 \text{ cm}$$

d) 24 cm

$$D = 24 \text{ cm}$$

$$R = \frac{D}{2}$$
$$= \frac{24}{2} = 12 \text{ cm}$$

e) 30 cm

$$D = 30 \text{ cm}$$

$$R = \frac{D}{2}$$
$$= \frac{30}{2} = 15 \text{ cm}$$

C.W

Find the diameter of the circles whose radii are given as follows:-

a) 15 cm

$$R = 15 \text{ cm}$$

$$D = \cancel{R \times R} 2 \times R$$

$$D = 15 \times 2 = 30 \text{ cm}$$

b) 11 cm

$$R = 11 \text{ cm}$$

$$D = 2 \times R$$

$$D = \cancel{2} \times 11 = 22 \text{ cm}$$

c) 21 cm

$$R = 21 \text{ cm}$$

$$D = 2 \times R$$

$$D = 21 \times 2 = 42 \text{ cm}$$

d) 9 cm

$$R = 9 \text{ cm}$$

$$D = 2 \times R$$

$$D = 2 \times 9 = 18 \text{ cm}$$

e) 25 cm

$$R = 25 \text{ cm}$$

$$D = 2 \times R$$

$$D = 2 \times 25 = 50 \text{ cm}$$