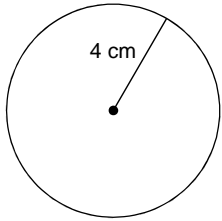


## Area of Circles

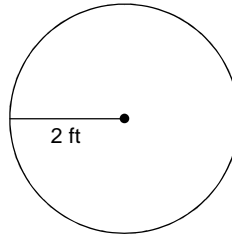
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**Find the area of each.**

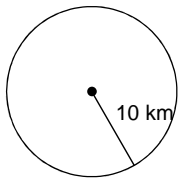
1)



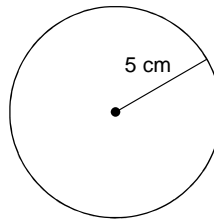
2)



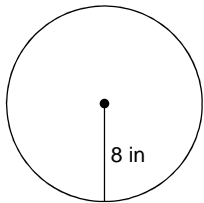
3)



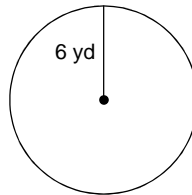
4)



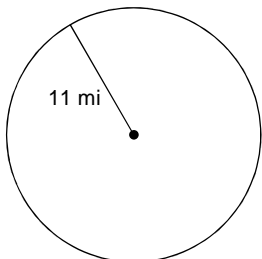
5)



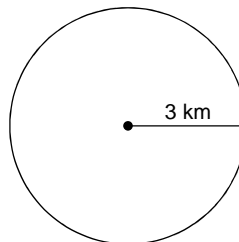
6)



7)



8)



9) radius = 4 in

10) radius = 9 ft

11) radius = 12 mi

12) radius = 7 mi

13) circumference =  $12\pi$  m

14) circumference =  $22\pi$  m

15) circumference =  $18\pi$  ft

16) circumference =  $6\pi$  yd

**Find the diameter of each circle.**

17) area =  $16\pi$  mi<sup>2</sup>

18) area =  $25\pi$  in<sup>2</sup>

19) area =  $121\pi$  km<sup>2</sup>

20) area =  $100\pi$  ft<sup>2</sup>

21) area =  $4\pi$  cm<sup>2</sup>

22) area =  $9\pi$  m<sup>2</sup>

23) area =  $49\pi$  m<sup>2</sup>

24) area =  $64\pi$  mi<sup>2</sup>

**Find the radius of each circle.**

25) area =  $81\pi$  cm<sup>2</sup>

26) area =  $36\pi$  ft<sup>2</sup>

27) area =  $121\pi$  yd<sup>2</sup>

28) area =  $64\pi$  km<sup>2</sup>

29) area =  $49\pi$  ft<sup>2</sup>

30) area =  $9\pi$  km<sup>2</sup>

31) area =  $144\pi$  in<sup>2</sup>

32) area =  $25\pi$  mi<sup>2</sup>

**Find the circumference of each circle.**

33) area =  $16\pi$  km<sup>2</sup>

34) area =  $64\pi$  yd<sup>2</sup>

35) area =  $4\pi$  ft<sup>2</sup>

36) area =  $81\pi$  in<sup>2</sup>

37) area =  $121\pi$  m<sup>2</sup>

38) area =  $144\pi$  mi<sup>2</sup>

39) area =  $25\pi$  mi<sup>2</sup>

40) area =  $100\pi$  m<sup>2</sup>

## Answers to Area of Circles (ID: 1)

- |                         |                          |                           |                          |
|-------------------------|--------------------------|---------------------------|--------------------------|
| 1) $16\pi \text{ cm}^2$ | 2) $4\pi \text{ ft}^2$   | 3) $100\pi \text{ km}^2$  | 4) $25\pi \text{ cm}^2$  |
| 5) $64\pi \text{ in}^2$ | 6) $36\pi \text{ yd}^2$  | 7) $121\pi \text{ mi}^2$  | 8) $9\pi \text{ km}^2$   |
| 9) $16\pi \text{ in}^2$ | 10) $81\pi \text{ ft}^2$ | 11) $144\pi \text{ mi}^2$ | 12) $49\pi \text{ mi}^2$ |
| 13) $36\pi \text{ m}^2$ | 14) $121\pi \text{ m}^2$ | 15) $81\pi \text{ ft}^2$  | 16) $9\pi \text{ yd}^2$  |
| 17) 8 mi                | 18) 10 in                | 19) 22 km                 | 20) 20 ft                |
| 21) 4 cm                | 22) 6 m                  | 23) 14 m                  | 24) 16 mi                |
| 25) 9 cm                | 26) 6 ft                 | 27) 11 yd                 | 28) 8 km                 |
| 29) 7 ft                | 30) 3 km                 | 31) 12 in                 | 32) 5 mi                 |
| 33) $8\pi \text{ km}$   | 34) $16\pi \text{ yd}$   | 35) $4\pi \text{ ft}$     | 36) $18\pi \text{ in}$   |
| 37) $22\pi \text{ m}$   | 38) $24\pi \text{ mi}$   | 39) $10\pi \text{ mi}$    | 40) $20\pi \text{ m}$    |