

## 14-1 Circles - Area &amp; Circumference (ver2)\_hw

Date \_\_\_\_\_ Period \_\_\_\_\_

**Find the RADIUS of each circle. Round your answer to the nearest tenth.**

1) area =  $373.3 \text{ km}^2$

2) area =  $60.8 \text{ yd}^2$

3) area =  $387.1 \text{ km}^2$

4) area =  $66.5 \text{ ft}^2$

5) area =  $149.6 \text{ km}^2$

6) area =  $271.7 \text{ m}^2$

7) area =  $81.7 \text{ km}^2$

8) area =  $21.2 \text{ in}^2$

9) area =  $232.4 \text{ ft}^2$

10) area =  $24.6 \text{ in}^2$

**Find the DIAMETER of each circle. Round your answer to the nearest tenth.**

11) area =  $452.4 \text{ ft}^2$

12) area =  $380.1 \text{ mi}^2$

13) area =  $34.2 \text{ cm}^2$

14) area =  $314.2 \text{ cm}^2$

15) area =  $50.3 \text{ yd}^2$

16) area =  $78.5 \text{ yd}^2$

17) area =  $153.9 \text{ cm}^2$

18) area =  $265.9 \text{ m}^2$

19) area =  $12.6 \text{ mi}^2$

20) area =  $254.5 \text{ yd}^2$

**Find the RADIUS of each circle. Round your answer to the nearest tenth.**

21) circumference = 37.7 km

22) circumference = 69.7 cm

23) circumference = 56.5 km

24) circumference = 25.1 cm

25) circumference = 18.8 in

26) circumference = 31.4 in

27) circumference = 75.4 m

28) circumference = 42.7 cm

29) circumference = 44 m

30) circumference = 62.8 km

**Find the DIAMETER of each circle. Round your answer to the nearest tenth.**

31) circumference = 73.5 ft

32) circumference = 35.8 in

33) circumference = 37.1 in

34) circumference = 31.4 in

35) circumference = 32.7 mi

36) circumference = 21.4 yd

37) circumference = 47.1 ft

38) circumference = 48.4 yd

39) circumference = 58.4 yd

40) circumference = 59.1 mi

**Answers to 14-1 Circles - Area & Circumference (ver2)\_hw**

- |             |             |             |             |
|-------------|-------------|-------------|-------------|
| 1) 10.9 km  | 2) 4.4 yd   | 3) 11.1 km  | 4) 4.6 ft   |
| 5) 6.9 km   | 6) 9.3 m    | 7) 5.1 km   | 8) 2.6 in   |
| 9) 8.6 ft   | 10) 2.8 in  | 11) 24 ft   | 12) 22 mi   |
| 13) 6.6 cm  | 14) 20 cm   | 15) 8 yd    | 16) 10 yd   |
| 17) 14 cm   | 18) 18.4 m  | 19) 4 mi    | 20) 18 yd   |
| 21) 6 km    | 22) 11.1 cm | 23) 9 km    | 24) 4 cm    |
| 25) 3 in    | 26) 5 in    | 27) 12 m    | 28) 6.8 cm  |
| 29) 7 m     | 30) 10 km   | 31) 23.4 ft | 32) 11.4 in |
| 33) 11.8 in | 34) 10 in   | 35) 10.4 mi | 36) 6.8 yd  |
| 37) 15 ft   | 38) 15.4 yd | 39) 18.6 yd | 40) 18.8 mi |