## Find the exact diameter of each circle.

1) area = 
$$81\pi \text{ in}^2$$

2) area = 
$$144\pi \text{ mi}^2$$

3) area = 
$$16\pi \text{ in}^2$$

4) area = 
$$49\pi \text{ yd}^2$$

5) area = 
$$121\pi \text{ km}^2$$

6) area = 
$$9\pi$$
 yd<sup>2</sup>

7) area =  $36\pi \text{ cm}^2$ 

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

9) area =  $25\pi \text{ in}^2$ 

10) area =  $64\pi \text{ mi}^2$ 

Find the exact circumference of each circle.

11) area =  $64\pi$  cm<sup>2</sup>

12) area =  $121\pi \text{ in}^2$ 

13) area =  $16\pi \text{ mi}^2$ 

14) area =  $49\pi \text{ km}^2$ 

15) area = 
$$100\pi \text{ yd}^2$$

16) area = 
$$9\pi \text{ m}^2$$

17) area = 
$$36\pi \text{ ft}^2$$

18) area = 
$$81\pi \text{ m}^2$$

19) area = 
$$144\pi \text{ in}^2$$

20) area = 
$$25\pi \text{ mi}^2$$

## Calculate the exact size of the area of each circle.

21) circumference = 
$$16\pi$$
 in

22) circumference = 
$$22\pi$$
 yd

22)		nference	_ 6 - 1	
2.31	CITCUI	merence	= O)L KI	I

24) circumference =  $14\pi$  yd

25) circumference =  $20\pi$  cm

26) circumference =  $4\pi$  ft

27) circumference =  $10\pi$  cm

28) circumference =  $18\pi$  in

29) circumference =  $24\pi$  mi

30) circumference =  $8\pi$  km

Find the exact diameter of each circle.

1) area = 
$$81\pi \text{ in}^2$$

18 in

2) area = 
$$144\pi \text{ mi}^2$$

24 mi

3) area = 
$$16\pi \text{ in}^2$$

8 in

4) area = 
$$49\pi \text{ yd}^2$$

14 yd

5) area = 
$$121\pi \text{ km}^2$$

22 km

6) area = 
$$9\pi$$
 yd<sup>2</sup>

6 yd

7) area =  $36\pi \text{ cm}^2$ 

12 cm

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

4 cm

9) area =  $25\pi \text{ in}^2$ 

10 in

10) area =  $64\pi \text{ mi}^2$ 

16 mi

Find the exact circumference of each circle.

11) area =  $64\pi$  cm<sup>2</sup>

 $16\pi$  cm

12) area =  $121\pi \text{ in}^2$ 

 $22\pi$  in

13) area =  $16\pi \text{ mi}^2$ 

 $8\pi$  mi

14) area =  $49\pi \text{ km}^2$ 

 $14\pi$  km

15) area =  $100\pi \text{ yd}^2$ 

 $20\pi$  yd

16) area =  $9\pi \text{ m}^2$ 

 $6\pi$  m

17) area =  $36\pi \text{ ft}^2$ 

 $12\pi$  ft

18) area =  $81\pi \text{ m}^2$ 

 $18\pi$  m

19) area =  $144\pi \text{ in}^2$ 

 $24\pi$  in

20) area =  $25\pi \text{ mi}^2$ 

 $10\pi$  mi

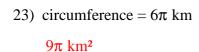
Calculate the exact size of the area of each circle.

21) circumference =  $16\pi$  in

 $64\pi \text{ in}^2$ 

22) circumference =  $22\pi$  yd

 $121\pi \text{ yd}^2$ 



24) circumference = 
$$14\pi$$
 yd  $49\pi$  yd<sup>2</sup>

25) circumference = 
$$20\pi$$
 cm  $100\pi$  cm<sup>2</sup>

26) circumference = 
$$4\pi$$
 ft
$$4\pi$$
 ft<sup>2</sup>

27) circumference = 
$$10\pi$$
 cm  $25\pi$  cm<sup>2</sup>

28) circumference = 
$$18\pi$$
 in  $81\pi$  in<sup>2</sup>

29) circumference = 
$$24\pi$$
 mi 
$$144\pi \text{ mi}^2$$

30) circumference = 
$$8\pi$$
 km  $16\pi$  km<sup>2</sup>