Find the exact area of each circle.

Example:

Area of a circle = \( \pi r^2 \)

Diameter = 8 ft
Radius \( (r) \) = 4 ft
Area = \( \pi r^2 \)
= \( \pi \times 4 \times 4 \)
Area = \( 16\pi \) ft\(^2\)
Radius \( (r) \) = 4 ft

1) Diameter = 8 ft
Area = \( 16\pi \) ft\(^2\)

2) Diameter = 10 yd
Area = \( 100\pi \) yd\(^2\)

3) Diameter = 36 ft
Area = \( 324\pi \) ft\(^2\)

4) Diameter = 22 ft
Area = \( 121\pi \) ft\(^2\)

5) Diameter = 20 yd
Area = \( 400\pi \) yd\(^2\)

6) Diameter = 6 yd
Area = \( 36\pi \) yd\(^2\)

7) Diameter = 14 in
Area = \( 196\pi \) in\(^2\)

8) Diameter = 20 yd
Area = \( 400\pi \) yd\(^2\)

9) Diameter = 12 ft
Area = \( 144\pi \) ft\(^2\)

Printable Math Worksheets @ www.mathworksheets4kids.com
Find the exact area of each circle.

Example:

Area of a circle = \( \pi r^2 \)

Diameter = 8 ft

Radius (r) = 4 ft

Area = \( \pi r^2 \)

= \( \pi \times 4 \times 4 \)

Area = 16\( \pi \) ft\(^2\)

1) Diameter = 16 in

Area = 64\( \pi \) in\(^2\)

2) Diameter = 10 yd

Area = 25\( \pi \) yd\(^2\)

3) Diameter = 36 ft

Area = 324\( \pi \) ft\(^2\)

4) Diameter = 22 ft

Area = 121\( \pi \) ft\(^2\)

5) Diameter = 40 in

Area = 400\( \pi \) in\(^2\)

6) Diameter = 6 yd

Area = 9\( \pi \) yd\(^2\)

7) Diameter = 14 in

Area = 49\( \pi \) in\(^2\)

8) Diameter = 20 yd

Area = 100\( \pi \) yd\(^2\)

9) Diameter = 12 ft

Area = 36\( \pi \) ft\(^2\)