$\qquad$
$\qquad$

## Circle - Area

Find the exact area of each circle.
1)

2)

3)

Area $=\cdots$
Area $=$
Area $=$

4)

5)

6)

Area $=\cdots \cdots \cdots$

$$
\text { Area }=
$$

$$
\text { Area }=
$$

7) If the radius is 10 cm , what will be the area of the circle?
a) $100 \pi \mathrm{~cm}^{2}$
b) $400 \pi \mathrm{~cm}^{2}$
C) $25 \pi \mathrm{~cm}^{2}$
d) $20 \pi \mathrm{~cm}$
8) What is the area of a circle with a diameter of 16 ft ?
a) $256 \pi \mathrm{ft}^{2}$
b) $64 \pi \mathrm{ft}^{2}$
C) $32 \pi \mathrm{ft}^{2}$
d) $16 \pi \mathrm{ft}$
9) A cow is tethered with a rope 20 m long. What is the maximum area the cow can graze?

$\qquad$
$\qquad$

## Circle - Area

Find the exact area of each circle.
1)

2)

3)

Area $=225 \pi \mathrm{ft}^{2}$
Area $=121 \pi \mathrm{in}^{2}$
Area $=\begin{gathered}-\cdots \cdots \cdots \cdots \\ 64 \pi\end{gathered}$
4)

5)

6)


$$
\text { Area }=36 \pi \mathrm{~cm}^{2}
$$

$$
\text { Area }=\begin{gathered}
9 \pi \mathrm{~m}^{2} \\
\hdashline \cdots
\end{gathered}
$$

$$
\text { Area }=\begin{gathered}
289 \pi \mathrm{ft}^{2}
\end{gathered}
$$

7) If the radius is 10 cm , what will be the area of the circle?
a) $100 \pi \mathrm{~cm}^{2}$
b) $400 \pi \mathrm{~cm}^{2}$
c) $25 \pi \mathrm{~cm}^{2}$
d) $20 \pi \mathrm{~cm}$
8) What is the area of a circle with a diameter of 16 ft ?
a) $256 \pi \mathrm{ft}^{2}$
b) $\mathbf{6 4 \pi} \mathrm{ft}^{2}$
c) $32 \pi \mathrm{ft}^{2}$
d) $16 \pi \mathrm{ft}$
9) A cow is tethered with a rope 20 m long. What is the maximum area the cow can graze?

$\qquad$
$\qquad$

## Circle - Area

Find the exact area of each circle.
1)

2)

3)

Area $=\cdots$
Area $=\cdots \cdots$
Area $=\ldots$
4)

5)

6)

Area $=\cdots \cdots \cdots$
Area $=\cdots \cdots$
Area $=\cdots$
7) If the radius is 4 m , what will be the area of the circle?
a) $4 \pi \mathrm{~m}^{2}$
b) $8 \pi \mathrm{~m}^{2}$
c) $16 \pi \mathrm{~m}^{2}$
d) $4 \pi \mathrm{~m}$
8) What is the area of a circle with a diameter of 26 in?
a) $676 \pi \mathrm{in}^{2}$
b) $52 \pi \mathrm{in}^{2}$
c) $26 \pi$ in
d) $169 \pi \mathrm{in}^{2}$
9) The diameter of the pizza is 45 cm . What is the maximum area available for toppings?

$\qquad$
$\qquad$
$\qquad$

## Circle - Area

Find the exact area of each circle.
1)

2)

3)

Area $=\begin{gathered}64 \pi \mathrm{ft}^{2}\end{gathered}$
Area $=144 \pi$ in $^{2}$
Area $=$

4)

5)

6)


$$
\text { Area }=\begin{gathered}
100 \pi \mathrm{~m}^{2} \\
\cdots
\end{gathered}
$$

$$
\text { Area }=125 \pi \mathrm{ft}^{2}
$$

$$
\text { Area }=49 \pi i^{2}
$$

7) If the radius is 4 m , what will be the area of the circle?
a) $4 \pi \mathrm{~m}^{2}$
b) $8 \pi \mathrm{~m}^{2}$
c) $16 \pi \mathrm{~m}^{2}$
d) $4 \pi \mathrm{~m}$
8) What is the area of a circle with a diameter of 26 in?
a) $676 \pi \mathrm{in}^{2}$
b) $52 \pi \mathrm{in}^{2}$
c) $26 \pi$ in
d) $169 \pi \mathrm{in}^{2}$
9) The diameter of the pizza is 45 cm . What is the maximum area available for toppings?

$\qquad$
$\qquad$

## Circle - Area

Find the exact area of each circle.
1)

2)

3)

Area $=$

Area $=\cdots$
Area $=\ldots$
4)

5)

6)

Area $=\cdots \cdots \cdots$

$$
\text { Area }=
$$

Area $=\ldots$
7) If the radius is 18 m , what will be the area of the circle?
a) $81 \pi \mathrm{~m}^{2}$
b) $324 \pi \mathrm{~m}^{2}$
c) $36 \pi \mathrm{~m}^{2}$
d) $18 \pi \mathrm{~m}$
8) What is the area of a circle with a diameter of 30 in ?
a) $900 \pi \mathrm{in}^{2}$
b) $60 \pi \mathrm{in}^{2}$
c) $225 \pi \mathrm{in}^{2}$
d) $125 \pi \mathrm{in}^{2}$
9) Steven jogs around a circular field with a diameter of 70 yd . Find the area of the field.

$\qquad$
$\qquad$

Find the exact area of each circle.
1)

2)

3)

Area $=121 \pi \mathrm{~cm}^{2}$
4)

Area $=196 \pi \mathrm{ft}^{2}$
Area $=\begin{gathered} \\ 49 \pi \\ \mathrm{~m}^{2}\end{gathered}$
5)

6)


$$
\text { Area }=\begin{gathered}
-\cdots \cdots \\
25 \pi \\
\\
\cdots
\end{gathered}
$$

$$
\text { Area }=\begin{gathered}
256 \pi
\end{gathered}
$$

$$
\text { Area }=\begin{gathered}
400 \pi \mathrm{ft}^{2} \\
\hdashline
\end{gathered}
$$

7) If the radius is 18 m , what will be the area of the circle?
a) $81 \pi \mathrm{~m}^{2}$
b) $324 \pi \mathrm{~m}^{2}$
c) $36 \pi \mathrm{~m}^{2}$
d) $18 \pi \mathrm{~m}$
8) What is the area of a circle with a diameter of 30 in ?
a) $900 \pi \mathrm{in}^{2}$
b) $60 \pi \mathrm{in}^{2}$
c) $225 \pi \mathrm{in}^{2}$
d) $125 \pi \mathrm{in}^{2}$
9) Steven jogs around a circular field with a diameter of 70 yd . Find the area of the field.
$\qquad$ $1225 \pi \mathrm{yd}^{2}$

$\qquad$

Find the area of each circle. Round the answer to tenth decimal place. ( use $\pi=3.14$ )
1)

2)

3)

Area $=\cdots$
Area $=$
Area $=, \ldots \ldots$
4)

5)

6)

Area $=\cdots$
Area $=\cdots \cdots \cdots \cdots \cdots$

$$
\text { Area }=
$$

7) If the radius is 55 ft , what will be the area of the circle?
a) $9498.5 \mathrm{ft}^{2}$
b) $2374.6 \mathrm{ft}^{2}$
c) $345.4 \mathrm{ft}^{2}$
d) 345.4 ft
8) What is the area of the circle with a diameter of 60 in ?
a) $188.4 \mathrm{in}^{2}$
b) $11304 \mathrm{in}^{2}$
c) $2826 \mathrm{in}^{2}$
d) 376.8 in
9) If a goat is tethered with a rope 28 m long, what will be the maximum area the goat can graze?


Area $=$ $\qquad$
$\qquad$
$\qquad$

Find the area of each circle. Round the answer to tenth decimal place. ( use $\pi=3.14$ )
1)

2)

3)
Area $=3215.4 \mathrm{~cm}^{2}$
Area $=1384.7 \mathrm{in}^{2}$
Area $=1808.6 \mathrm{ft}^{2}$
4)

5)

6)


$$
\text { Area }=\begin{array}{cc}
7850 \mathrm{in}^{2} & \text { Area }= \\
3017.5 \mathrm{~cm}^{2}
\end{array}
$$

$$
\text { Area }=2122.6 \mathrm{~m}^{2}
$$

7) If the radius is 55 ft , what will be the area of the circle?
a) $9498.5 \mathrm{ft}^{\mathbf{2}}$
b) $2374.6 \mathrm{ft}^{2}$
c) $345.4 \mathrm{ft}^{2}$
d) 345.4 ft
8) What is the area of the circle with a diameter of 60 in ?
a) $188.4 \mathrm{in}^{2}$
b) $11304 \mathrm{in}^{2}$
c) $2826 \mathrm{in}^{2}$
d) 376.8 in
9) If a goat is tethered with a rope 28 m long, what will be the maximum area the goat can graze?


Area $=$ $\qquad$
$\qquad$

## Circle - Area

Find the area of each circle. Round the answer to tenth decimal place. ( use $\pi=3.14$ )
1)

2)

3)

Area $=$
Area $=\cdots \cdots$
Area $=\ldots$
4)

5)

6)

Area $=\cdots \cdots$
Area $=\cdots \cdots \cdots$
Area =
7) If the radius is 39 ft , what will be the area of the circle?
a) $1193.99 \mathrm{ft}^{2}$
b) 122.46 ft
c) $244.92 \mathrm{ft}^{2}$
d) $4775.94 \mathrm{ft}^{2}$
8) What is the area of the circle with a diameter of 52 in?
a) $163.28 \mathrm{in}^{2}$
b) $2122.64 \mathrm{in}^{2}$
c) $8490.56 \mathrm{in}^{2}$
d) 322.56 in
9) The diameter of the pudding is 94 mm . What is the maximum area available for toppings?
$\qquad$

$\qquad$
$\qquad$

Find the area of each circle. Round the answer to tenth decimal place. ( use $\pi=3.14$ )
1)

2)

Area $=7850 \mathrm{~m}^{2}$
4)

5)
Area $=3846.5 \mathrm{ft}^{2}$
3)


$$
\text { Area }=1661.1 \mathrm{~cm}^{2}
$$

6) 



Area $=$| 1519.8 in $^{2}$ |
| :---: |
| $-\ldots . . . . . . . . . . . . . . . ~$ |

$$
\text { Area }=2289.1 \mathrm{~m}^{2}
$$

7) If the radius is 39 ft , what will be the area of the circle?
a) $1193.99 \mathrm{ft}^{2}$
b) 122.46 ft
c) $244.92 \mathrm{ft}^{2}$
d) $4775.94 \mathrm{ft}^{2}$
8) What is the area of the circle with a diameter of 52 in?
a) $163.28 \mathrm{in}^{2}$
b) $\mathbf{2 1 2 2 . 6 4} \mathrm{in}^{2}$
c) $8490.56 \mathrm{in}^{2}$
d) 322.56 in
9) The diameter of the pudding is 94 mm . What is the maximum area available for toppings?
$\qquad$ $6936.3 \mathrm{~mm}^{2}$

$\qquad$

Find the area of each circle. Round the answer to tenth decimal place. ( use $\pi=3.14$ )
1)

2)

3)

Area $=\ldots \ldots$
Area $=\cdots$
Area $=\cdots$
4)

5)

6)

Area $=\cdots \cdots \cdots$
Area $=\cdots \cdots \cdots \cdots \cdots$

$$
\text { Area }=
$$

7) If the radius is 41 m , what will be the area of the circle?
a) $5278.3 \mathrm{~m}^{2}$
b) $1319.6 \mathrm{~m}^{2}$
c) $257.5 \mathrm{~m}^{2}$
d) $128.7 \mathrm{~m}^{2}$
8) What is the area of the circle with a diameter of 68 cm ?
a) $427 \mathrm{~cm}^{2}$
b) $213.5 \mathrm{~cm}^{2}$
C) $14519.4 \mathrm{~cm}^{2}$
d) $3629.8 \mathrm{~cm}^{2}$
9) Marlene jogs around a circular path with a radius of 31 yd . Find the area of the field.
$\qquad$

$\qquad$
$\qquad$

## Answer Key

## Circle - Area

Find the area of each circle. Round the answer to tenth decimal place. ( use $\pi=3.14$ )
1)

2)

3)

Area $=1256$ in $^{2}$
Area $=1384.7 \mathrm{~cm}^{2}$
Area $=2461.8 \mathrm{~m}^{2}$
4)


$$
\text { Area }=\begin{array}{cc}
3419.5 \mathrm{ft}^{2} \\
\cdots
\end{array}
$$

5) 


6)


$$
\text { Area }=8490.6 \mathrm{~cm}^{2}
$$

7) If the radius is 41 m , what will be the area of the circle?
a) $5278.3 \mathrm{~m}^{2}$
b) $1319.6 \mathrm{~m}^{2}$
c) $257.5 \mathrm{~m}^{2}$
d) $128.7 \mathrm{~m}^{2}$
8) What is the area of the circle with a diameter of 68 cm ?
a) $427 \mathrm{~cm}^{2}$
b) $213.5 \mathrm{~cm}^{2}$
c) $14519.4 \mathrm{~cm}^{2}$
d) $3629.8 \mathrm{~cm}^{2}$
9) Marlene jogs around a circular path with a radius of 31 yd . Find the area of the field.

$\qquad$

## Circle - Area

Find the area of each circle. Round the answer to two decimal places. ( use $\pi=3.14$ )
1)

2)

3)

Area $=\cdots$
Area $=\cdots \cdots \cdots$
Area $=$ $\qquad$
4)

Area $=\cdots \cdots$
5)

6)

7) If the radius is 3.82 ft , what will be the area of the circle?
a) $45.82 \mathrm{ft}^{2}$
b) $11.46 \mathrm{ft}^{2}$
c) $23.99 \mathrm{ft}^{2}$
d) $11.99 \mathrm{ft}^{2}$
8) What is the area of the circle with a diameter of 19.74 in?
a) $308.37 \mathrm{in}^{2}$
b) $305.89 \mathrm{in}^{2}$
c) $124.47 \mathrm{in}^{2}$
d) $62.23 \mathrm{in}^{2}$
9) A horse is tethered to a peg at the center of the field. If the length of the rope is 18.3 m , what will be the maximum area the horse can graze?

Area $=$ $\qquad$

$\qquad$
$\qquad$

Find the area of each circle. Round the answer to two decimal places. ( use $\pi=3.14$ )
1)

2)

3)

Area $=490.63 \mathrm{~cm}^{2}$
Area $=\begin{gathered}70.85 \mathrm{~m}^{2} \\ \cdots\end{gathered}$
Area $=23.23 \mathrm{~cm}^{2}$
4)


$$
\text { Area }=169.63 \text { in }^{2}
$$

5) 


6)

7) If the radius is 3.82 ft , what will be the area of the circle?
a) $\mathbf{4 5 . 8 2} \mathrm{ft}^{\mathbf{2}}$
b) $11.46 \mathrm{ft}^{2}$
c) $23.99 \mathrm{ft}^{2}$
d) $11.99 \mathrm{ft}^{2}$
8) What is the area of the circle with a diameter of 19.74 in?
a) $308.37 \mathrm{in}^{2}$
b) $305.89 \mathrm{in}^{2}$
c) $124.47 \mathrm{in}^{2}$
d) $62.23 \mathrm{in}^{2}$
9) A horse is tethered to a peg at the center of the field. If the length of the rope is 18.3 m , what will be the maximum area the horse can graze?
$\qquad$

$\qquad$

## Circle - Area

Find the area of each circle. Round the answer to two decimal places. ( use $\pi=3.14$ )
1)

2)

3)

Area $=\cdots$
4)

5)
Area $=$
Area $=, \ldots \ldots$
6)

Area $=\ldots \ldots$
Area $=\cdots \cdots \cdots$

$$
\text { Area }=
$$

7) If the radius is 6.31 ft , what will be the area of the circle?
a) $31.26 \mathrm{ft}^{2}$
b) $39.63 \mathrm{ft}^{2}$
c) $19.81 \mathrm{ft}^{2}$
d) $125.02 \mathrm{ft}^{2}$
8) What is the area of the circle with a diameter of 17.66 in?
a) $979.29 \mathrm{in}^{2}$
b) $244.82 \mathrm{in}^{2}$
c) $110.90 \mathrm{in}^{2}$
d) $55.45 \mathrm{in}^{2}$
9) The diameter of the cake is 38.72 cm . What is the maximum area available for toppings?

$\qquad$
$\qquad$

## Answer Key

## Circle - Area

Find the area of each circle. Round the answer to two decimal places. ( use $\pi=3.14$ )
1)

2)

3)

Area $=135.13 \mathrm{~m}^{2}$
4)

5)

6)

Area $=47.03 \mathrm{ft}^{2}$

$$
\text { Area }=918.17 \mathrm{~cm}^{2}
$$

$$
\text { Area }=\begin{gathered}
339.62 \text { in }^{2} \\
\hdashline \cdots
\end{gathered}
$$

$$
\text { Area }=168.71 \mathrm{~m}^{2}
$$

7) If the radius is 6.31 ft , what will be the area of the circle?
a) $31.26 \mathrm{ft}^{2}$
b) $39.63 \mathrm{ft}^{2}$
c) $19.81 \mathrm{ft}^{2}$
d) $\mathbf{1 2 5 . 0 2} \mathrm{ft}^{2}$
8) What is the area of the circle with a diameter of 17.66 in?
a) $979.29 \mathrm{in}^{2}$
b) $244.82 \mathrm{in}^{2}$
c) $110.90 \mathrm{in}^{2}$
d) $55.45 \mathrm{in}^{2}$
9) The diameter of the cake is 38.72 cm . What is the maximum area available for toppings?

$\qquad$

## Circle - Area

Find the area of each circle. Round the answer to two decimal places. ( use $\pi=3.14$ )
1)

2)

3)

Area $=$

Area $=\cdots$
Area $=\cdots$
4)

5)

6)

Area $=\cdots \cdots$
Area $=\cdots \cdots \cdots$

$$
\text { Area }=
$$

7) If the radius is 5.83 in , what will be the area of the circle?
a) $26.68 \mathrm{in}^{2}$
b) $106.73 \mathrm{in}^{2}$
c) $36.61 \mathrm{ft}^{2}$
d) $18.31 \mathrm{in}^{2}$
8) What is the area of the circle with a diameter of 16.56 m ?
a) $104 \mathrm{~m}^{2}$
b) $861.09 \mathrm{~m}^{2}$
c) $215.27 \mathrm{~m}^{2}$
d) $52 \mathrm{~m}^{2}$
9) A circular park has a radius of 28.3 yd . Find the area of the circular park.
$\qquad$
$\qquad$

## Answer Key

## Circle - Area

Find the area of each circle. Round the answer to two decimal places. ( use $\pi=3.14$ )
1)

2)

3)

Area $=56.72 \mathrm{~cm}^{2}$
Area $=\begin{gathered}297 . \mathrm{ft}^{2} \\ \end{gathered}$
Area $=45.82 \mathrm{~m}^{2}$
4)

5)

6)


$$
\text { Area }=333.12 \mathrm{~cm}^{2}
$$

7) If the radius is 5.83 in , what will be the area of the circle?
a) $26.68 \mathrm{in}^{2}$
b) $106.73 \mathrm{in}^{2}$
c) $36.61 \mathrm{ft}^{2}$
d) $18.31 \mathrm{in}^{2}$
8) What is the area of the circle with a diameter of 16.56 m ?
a) $104 \mathrm{~m}^{2}$
b) $861.09 \mathrm{~m}^{2}$
c) $\mathbf{2 1 5 . 2 7} \mathrm{m}^{2}$
d) $52 \mathrm{~m}^{2}$
9) A circular park has a radius of 28.3 yd . Find the area of the circular park.


$$
\text { Area }=\quad 2514.80 \mathrm{yd}^{2}
$$

