W. 4: Finding Arc Length

Arc Length = 2(Pi)(r)(arc/360)

90°
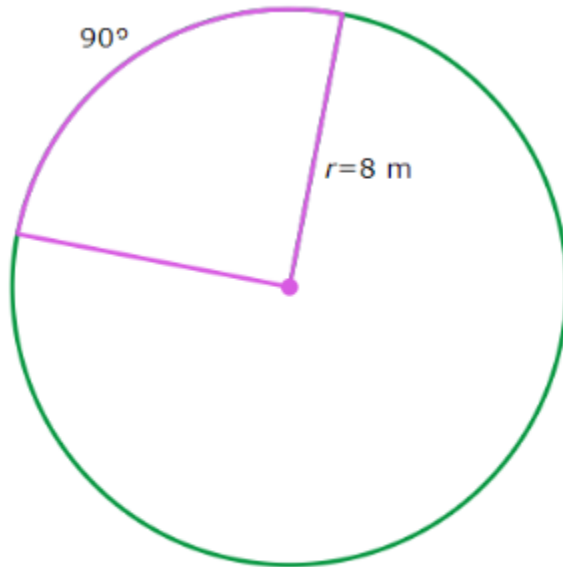
$r=8$ m

Give the exact answer in simplest form.

$\ell = 4\pi$ ft

$d=10$ ft
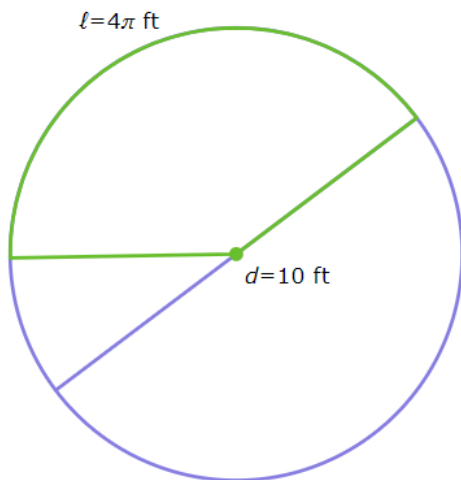
Give the exact answer in simplest form.

◻ °

The diameter of a circle is 32 inches. What is the angle measure of an arc 12π inches long

How many radians is 45°?

| $\frac{\pi}{2}$ radians | $\frac{\pi}{4}$ radians | $\frac{\pi}{6}$ radians | $\frac{\pi}{3}$ radians |

How many radians is 180°?

Give the exact answer in simplest form.

[   ] radians

How many degrees is $\frac{\pi}{6}$ radians?

[   ]°

How many radians is −150°?

Give the exact answer in simplest form.

[   ] radians

| π | $\frac{\square}{\square}$ |

How many radians is 918°?

Give the exact answer in simplest form.

[   ] radians