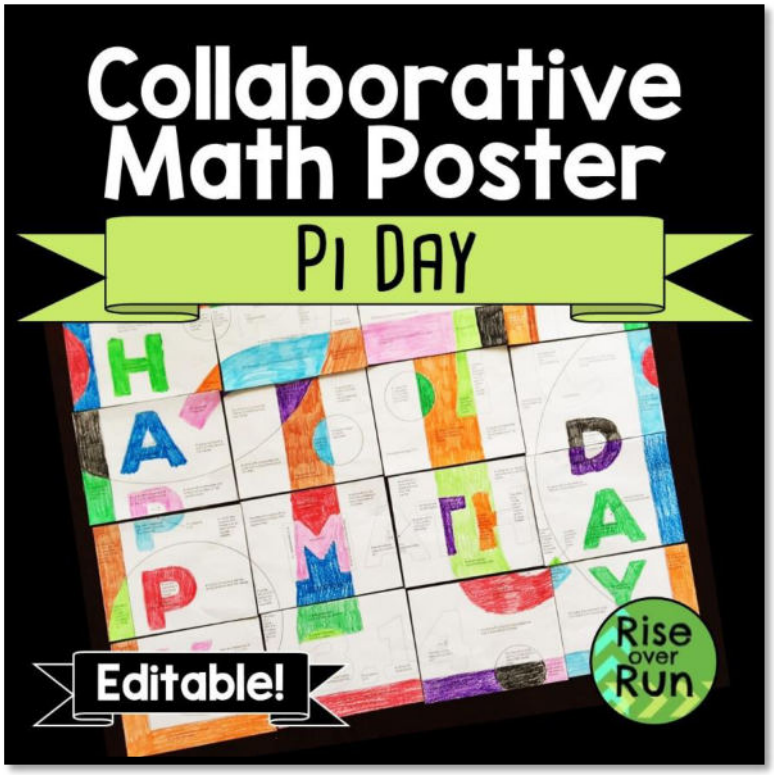


Collaborative Poster Arrangement

The number in the lower right-hand corner of each piece gives its location.

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

Celebrate Pi Day while working with circumference, area, and circle properties. Students color the false statements and create a 27" by 35" collaborative poster that reads "Happy π day."

16 pieces are provided with various statements about circles and pi. Students fill in the areas with false statements and leave the true statements white. Students can use markers, crayons, colored pencils, or highlighters. The color does not matter, so you can use whatever supplies you have available.

This activity is great for a Pi Day party, early finishers, partners, or even small groups. Hint: You might want to print an extra set in case mistakes are made. Students could be required to mark true or false and get approval before coloring. Or, just let students do their best and then go over misconceptions as a class!

Editable Version: In the editable powerpoint, you can change any statement that is not suitable for your class. Be sure to change true statements to true statements, and false statement to false statements so the poster will still spell Happy Pi Day.

Note: You may not sell or distribute any part of this resource, even if you edit it.

Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

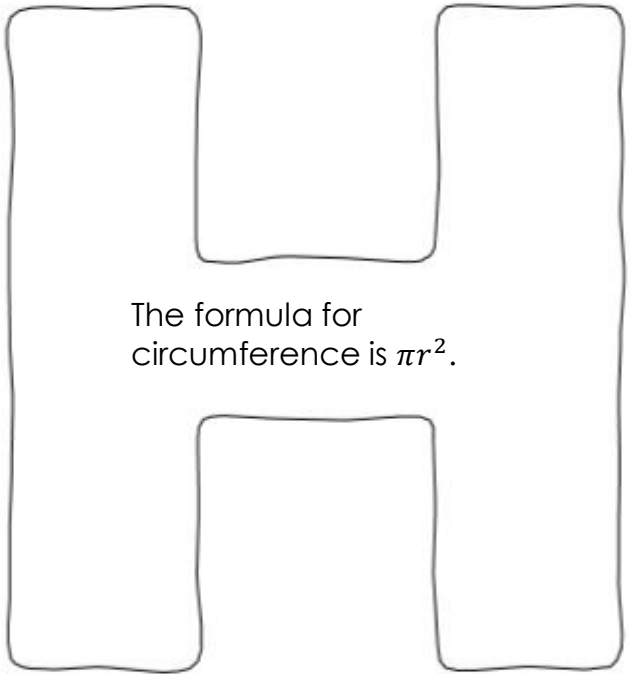
A circle's diameter is half its radius.

A circle is 3-dimensional

A circle with a diameter of 8 inches has an area of 16π square inches.

All points on a circle are the same distance from the center.

The area of a circle with a 3 ft radius is about 10.24 sq. ft.

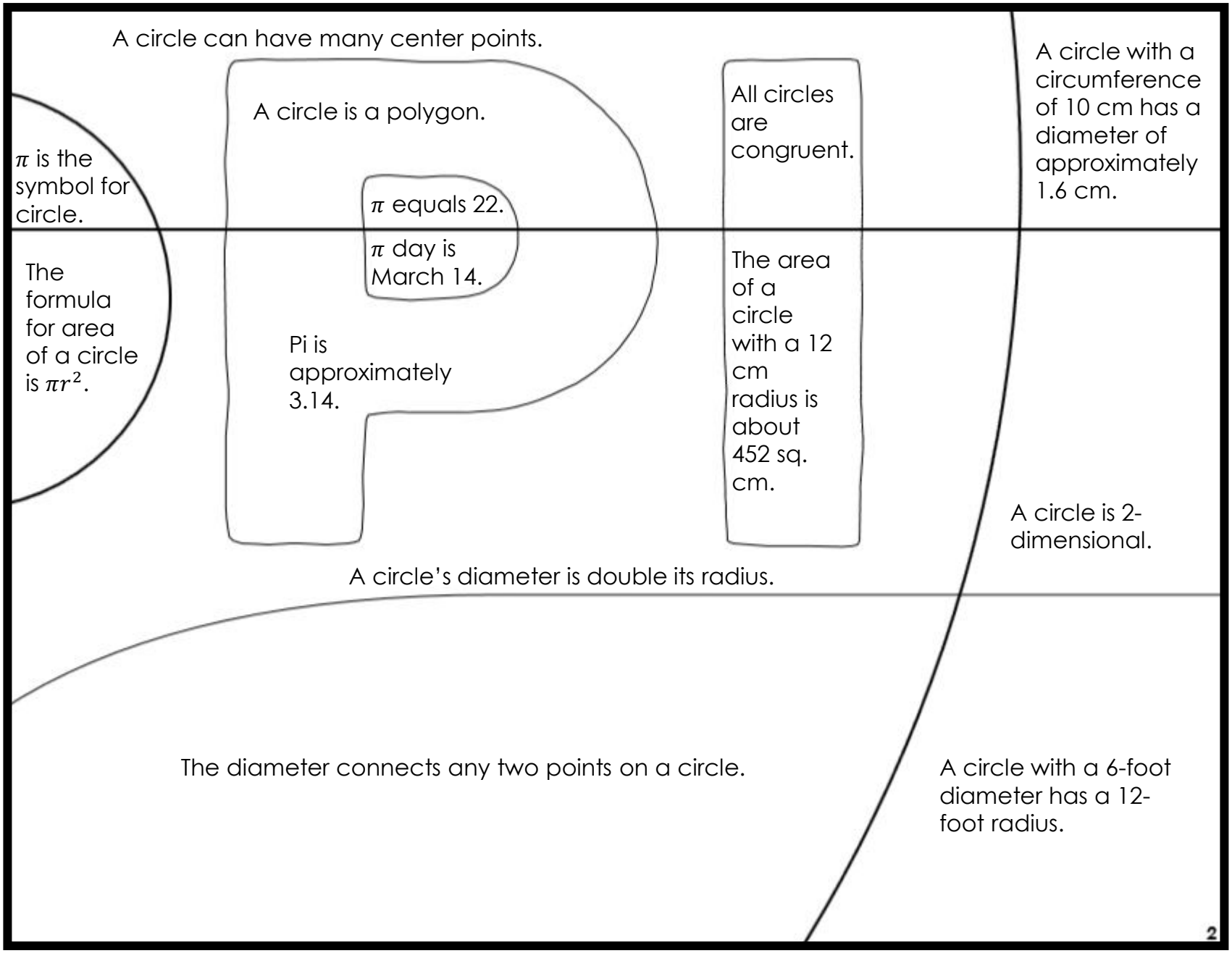


The formula for circumference is πr^2.

Pi is exactly 3.14.

1

Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

A circle with an 11-mile radius has a 5.5-mile diameter.

A circle with a radius of 1 inch has a circumference of π inches.

The formula for circumference is $2\pi r$.

The formula for area of a circle is πr^2.

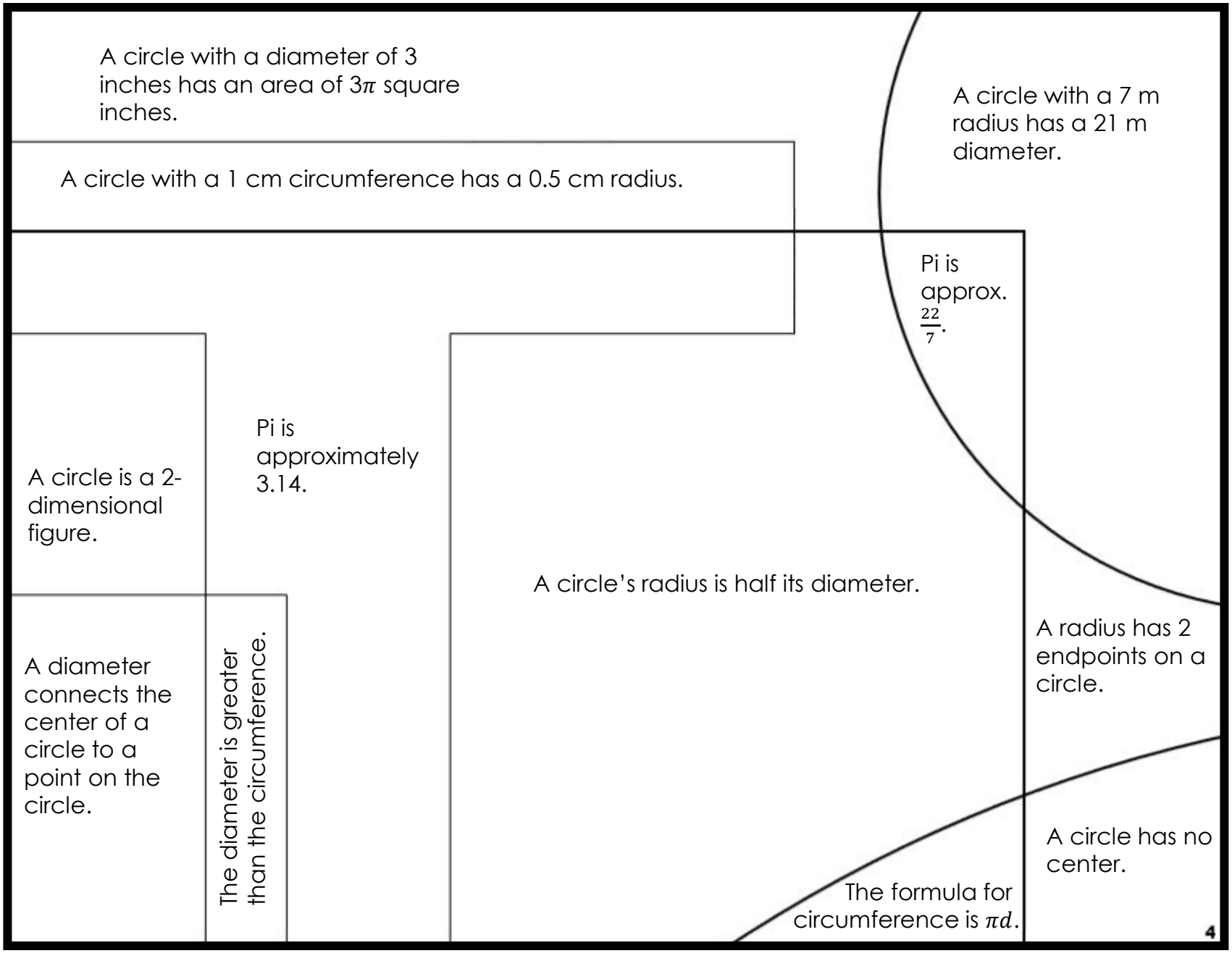
The formula for circumference is πd.

A circle with a 20 mm radius has an area of 40π mm.

Pi is exactly $\frac{22}{7}$.

A circle with a diameter of 3 miles has a circumference of 3π miles.

Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

The formula for circumference is $3\pi r$.

All circles are congruent.

$\pi \approx 3.14$.

A circle is a polygon.

A radius connects a point on the circle to the center.

The area of a circle with a 6-ft radius is 36 sq. ft.

A circle with a diameter of 5 cm has a circumference of 10π cm.

A circle with a radius of 4 inches has an area of 16π square inches.

$\pi \approx \frac{22}{7}$.

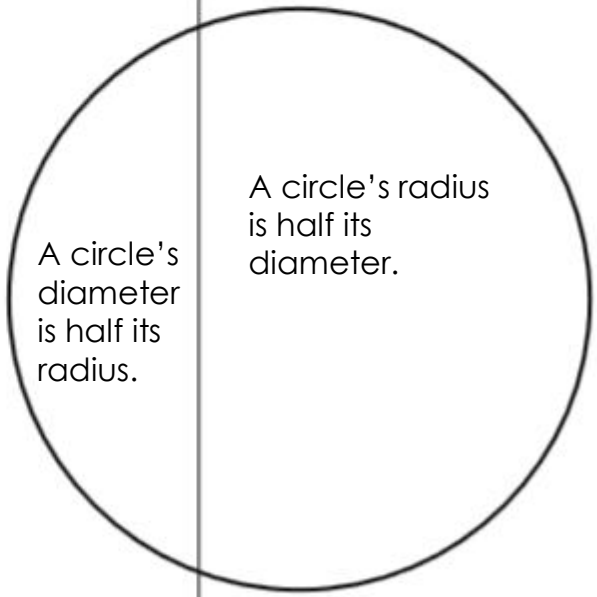
Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

Pi is rational.

A circle with a diameter of 6 m has an area of 6π square meters.

A circle with a radius of 2 feet has a circumference of 4π feet.

All points on a circle are the same distance from the center.



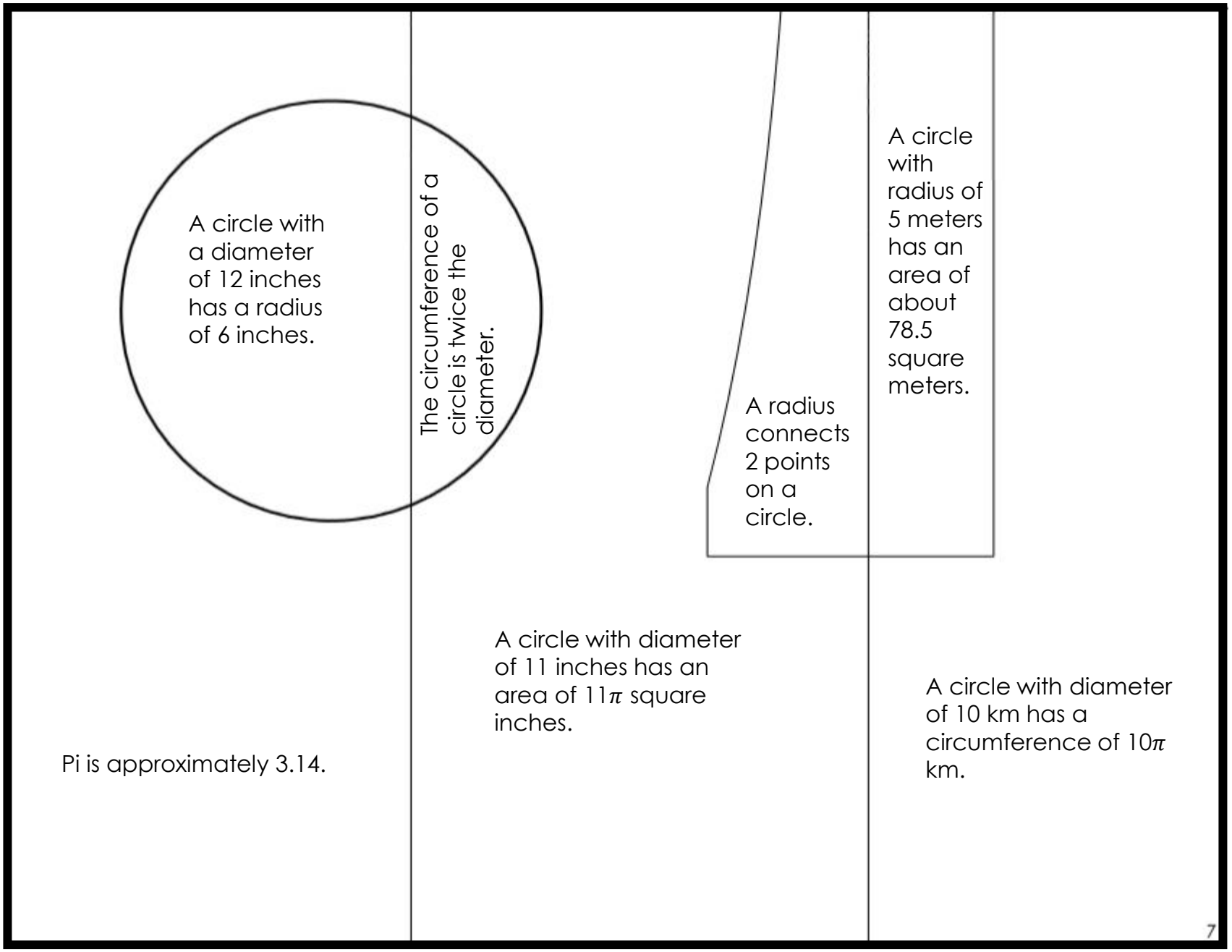
A circle's radius is half its diameter.

A circle's diameter is half its radius.

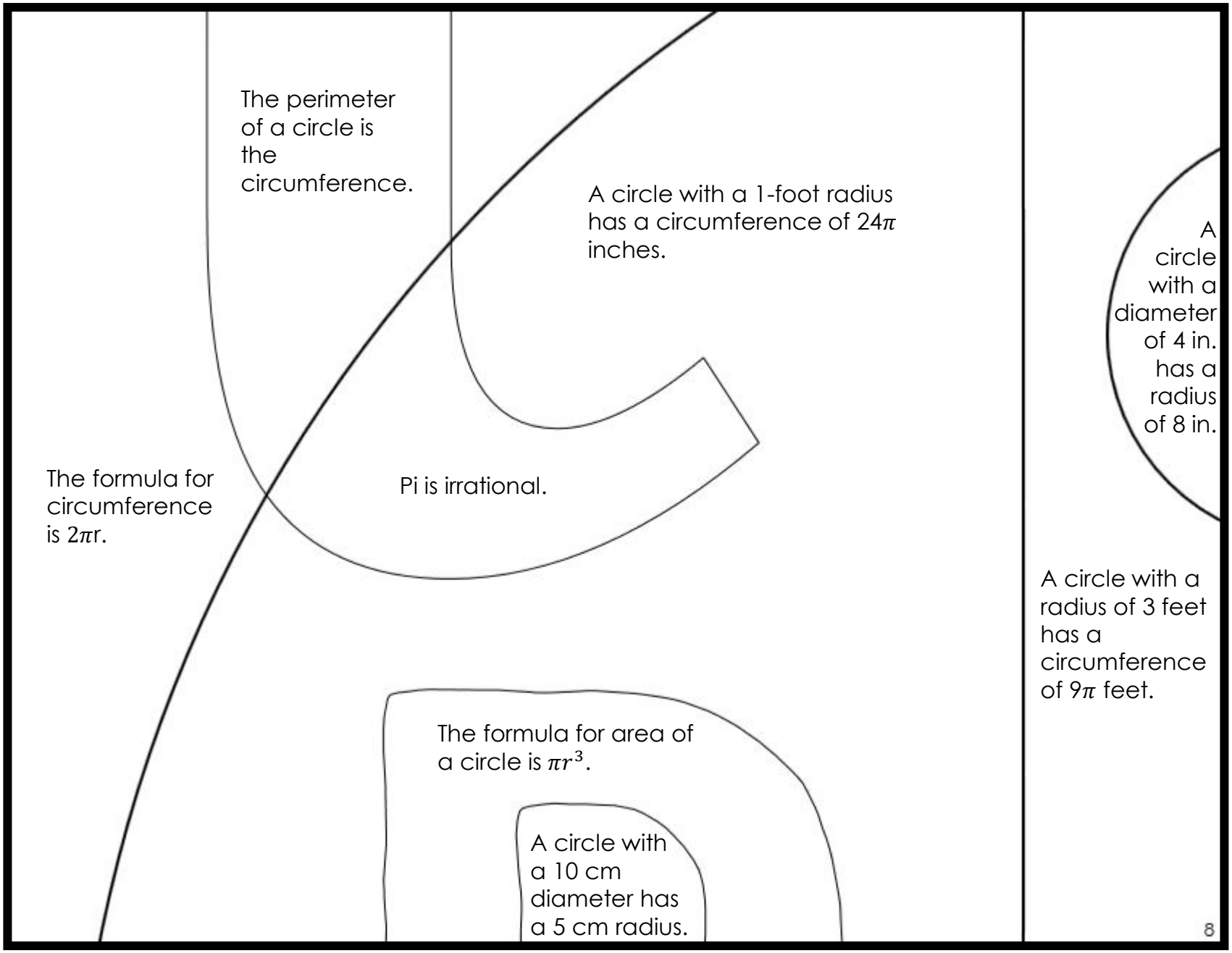
A circle with a diameter of 9 yards has a circumference of 27π feet.

The formula for circumference is πr^2.

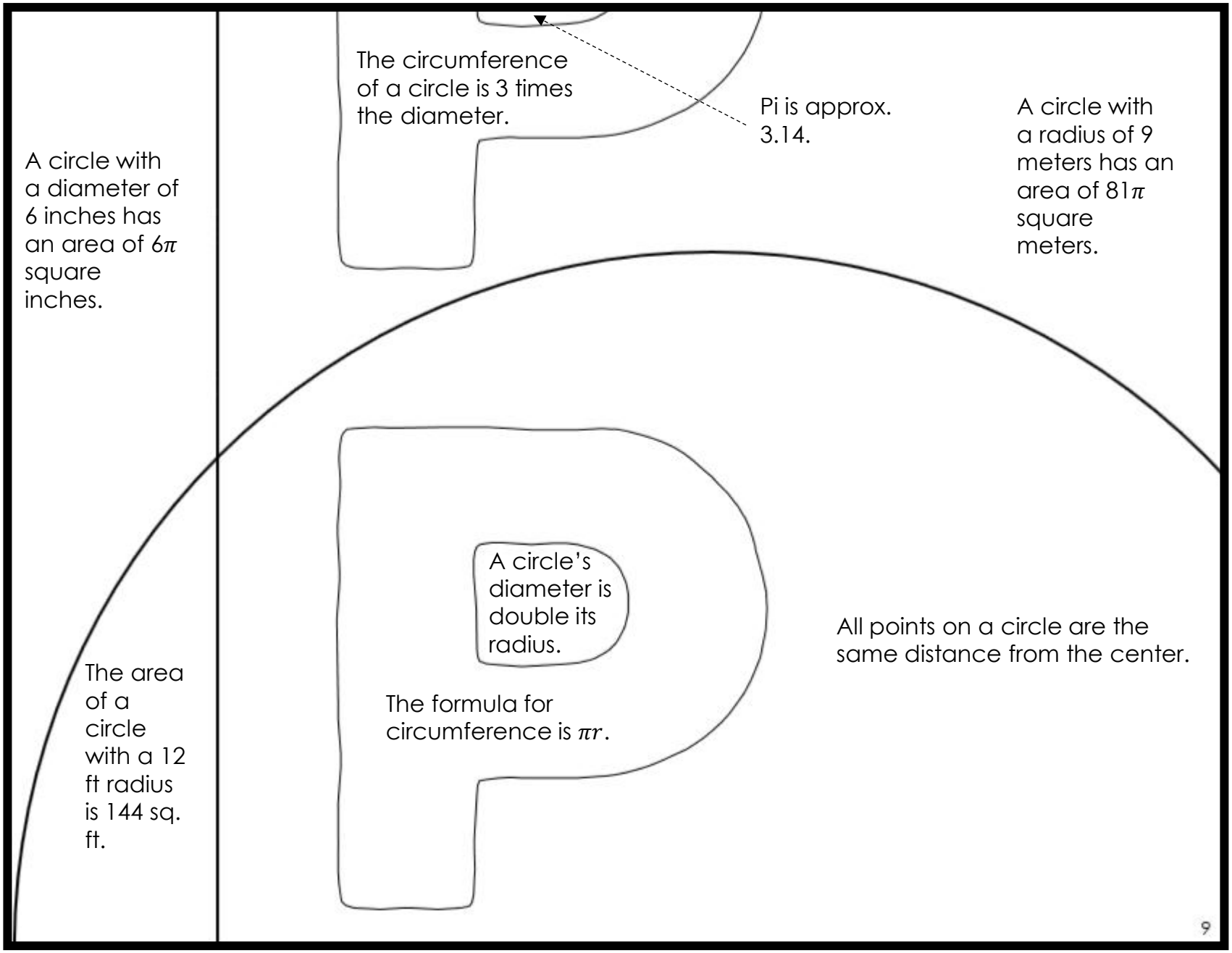
Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



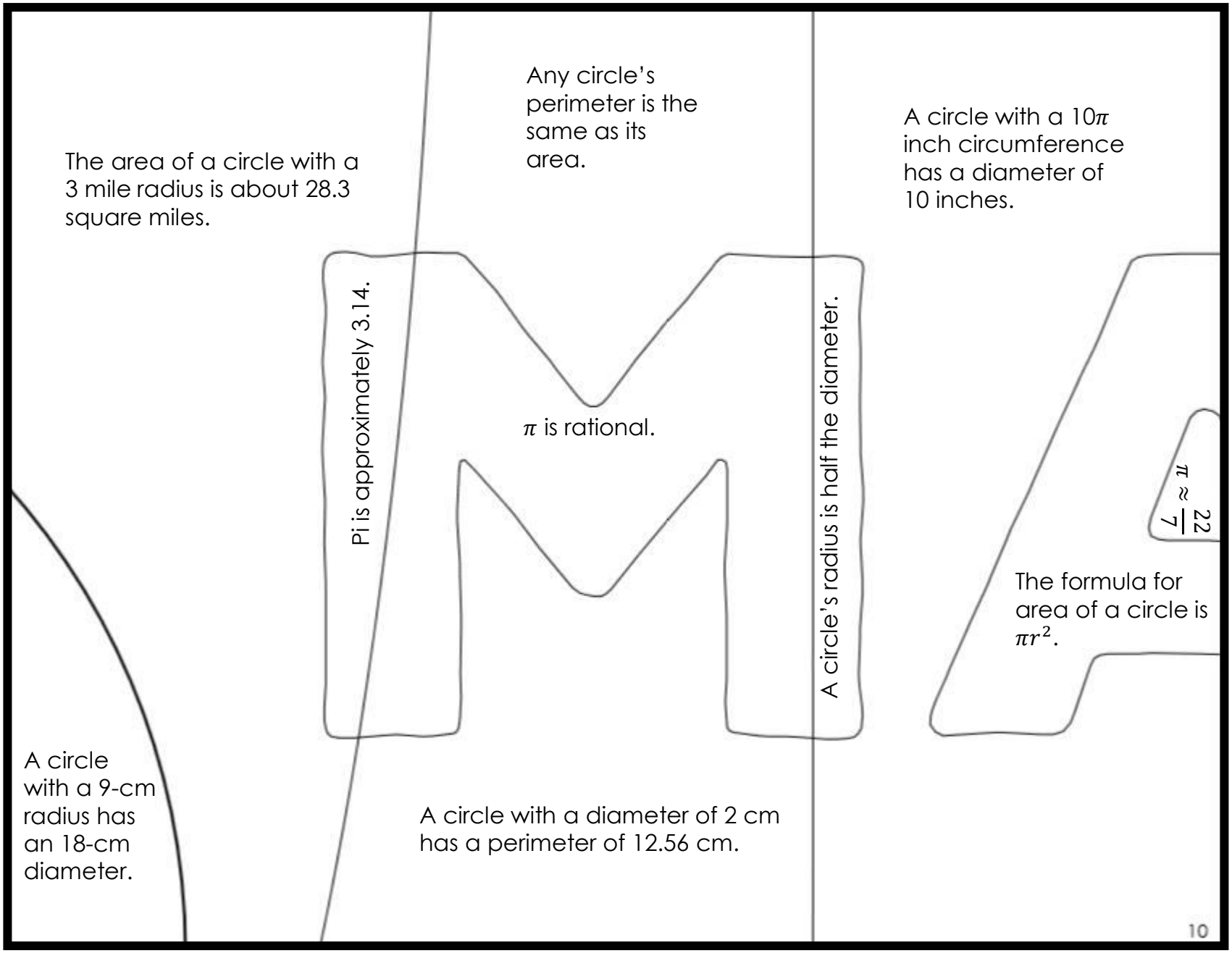
Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



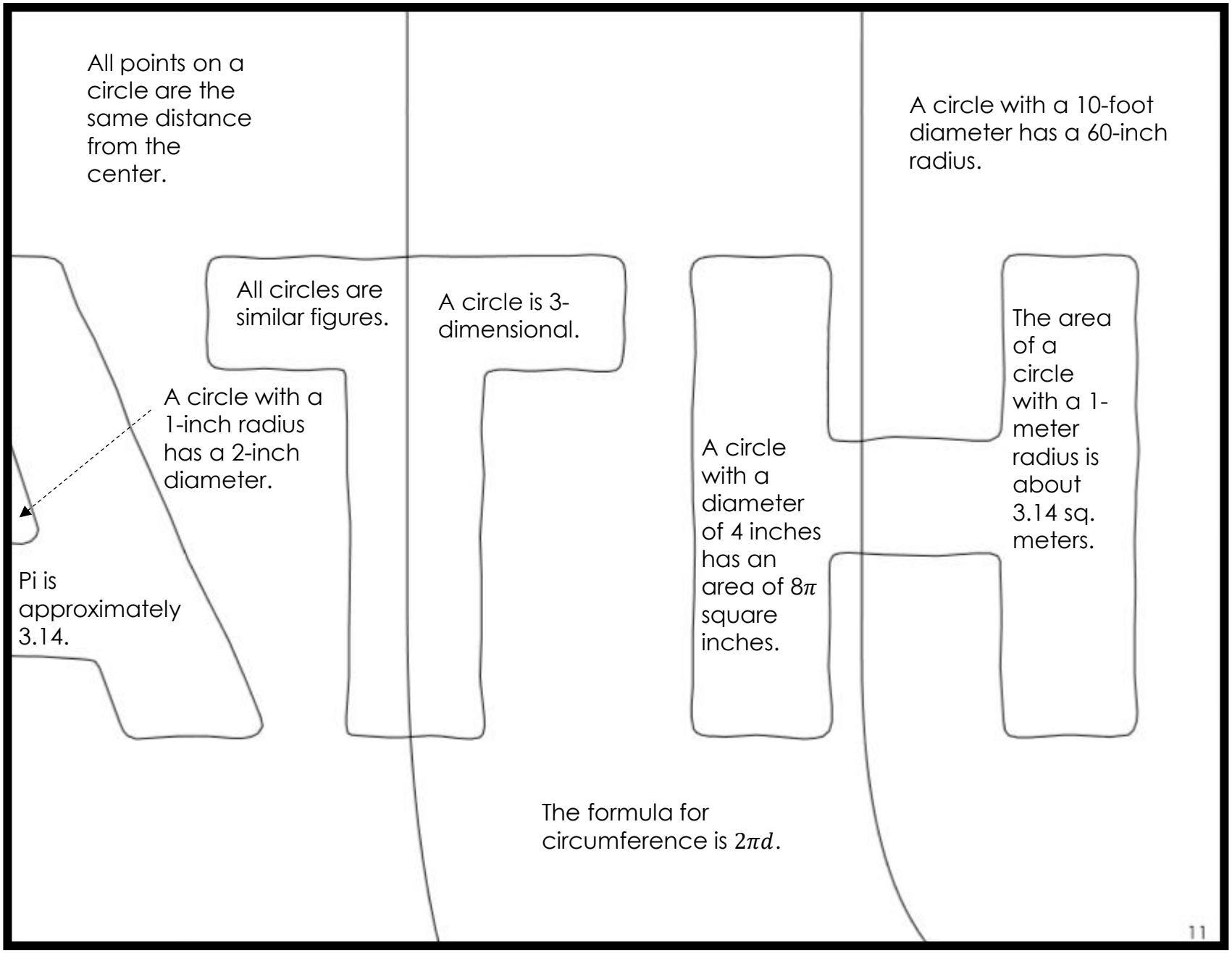
Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



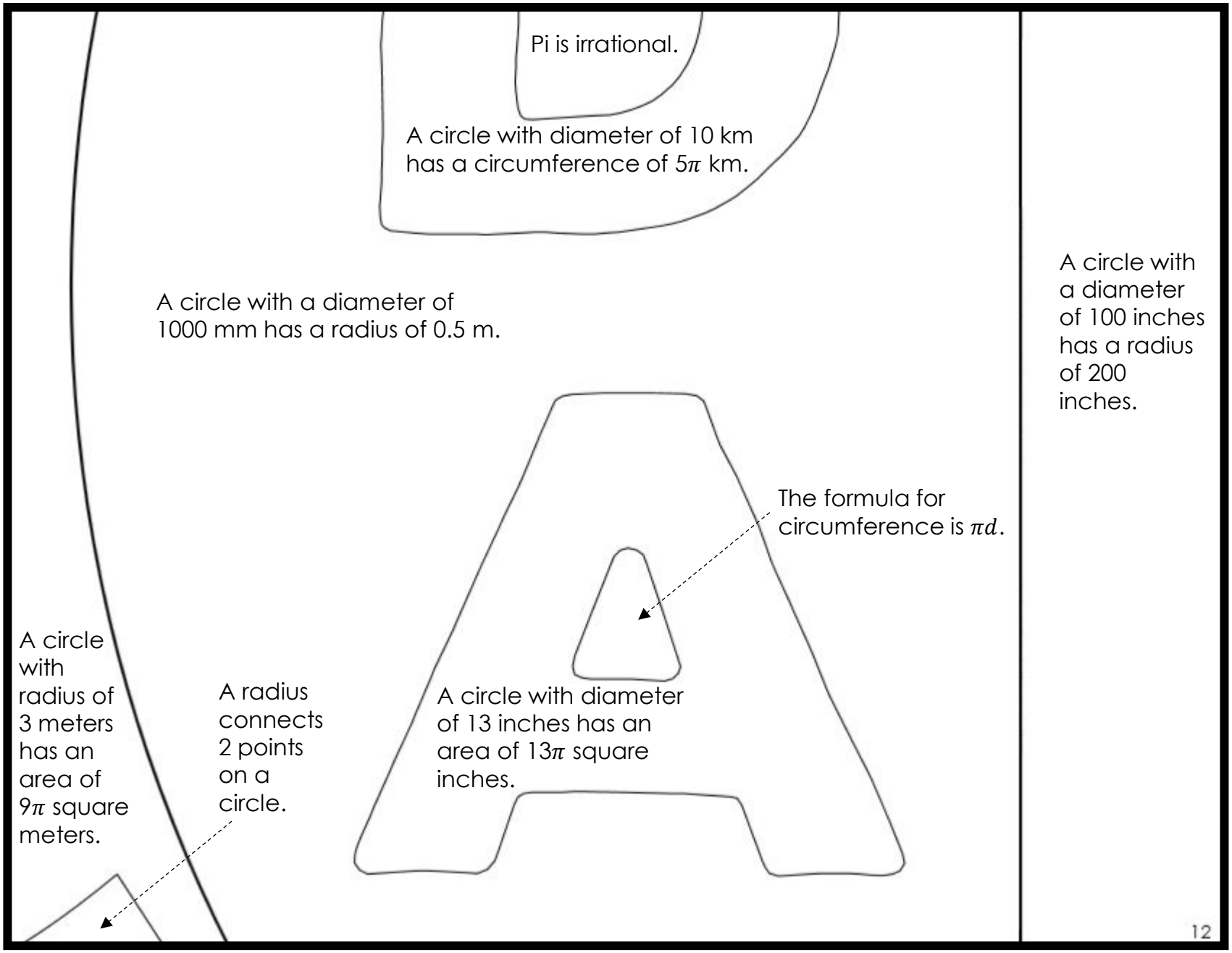
Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

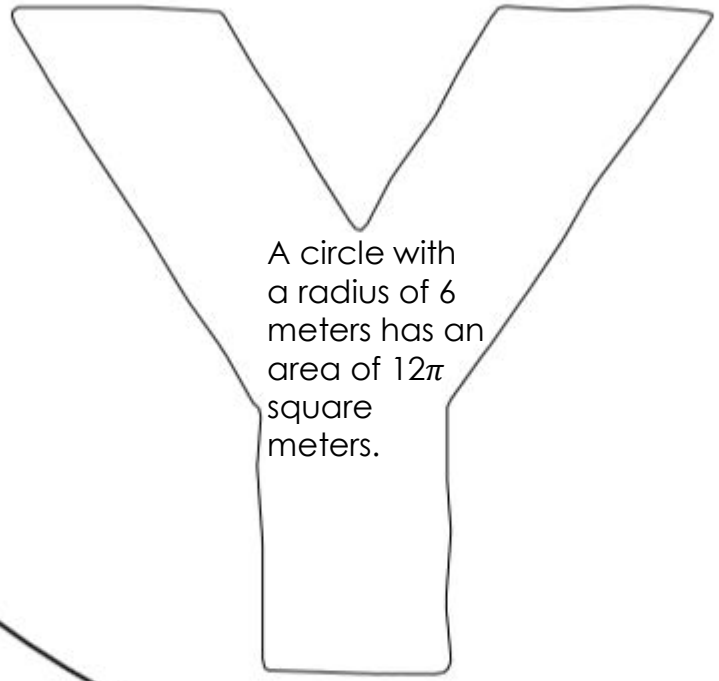


Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

Pi is approx. 4.13.



A circle with a radius of 6 meters has an area of 12π square meters.

The circumference of a circle with a 12 ft radius is 24π ft.

A circle with a diameter of 2 inches has an area of π square inches.

The circumference of a circle is twice the diameter.

Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

The area of a circle with a 5-ft radius is about 78.5 sq. ft.

The formula for circumference is πr^2.

A circle's diameter is half its radius.

All points on a circle are the same distance from the center.

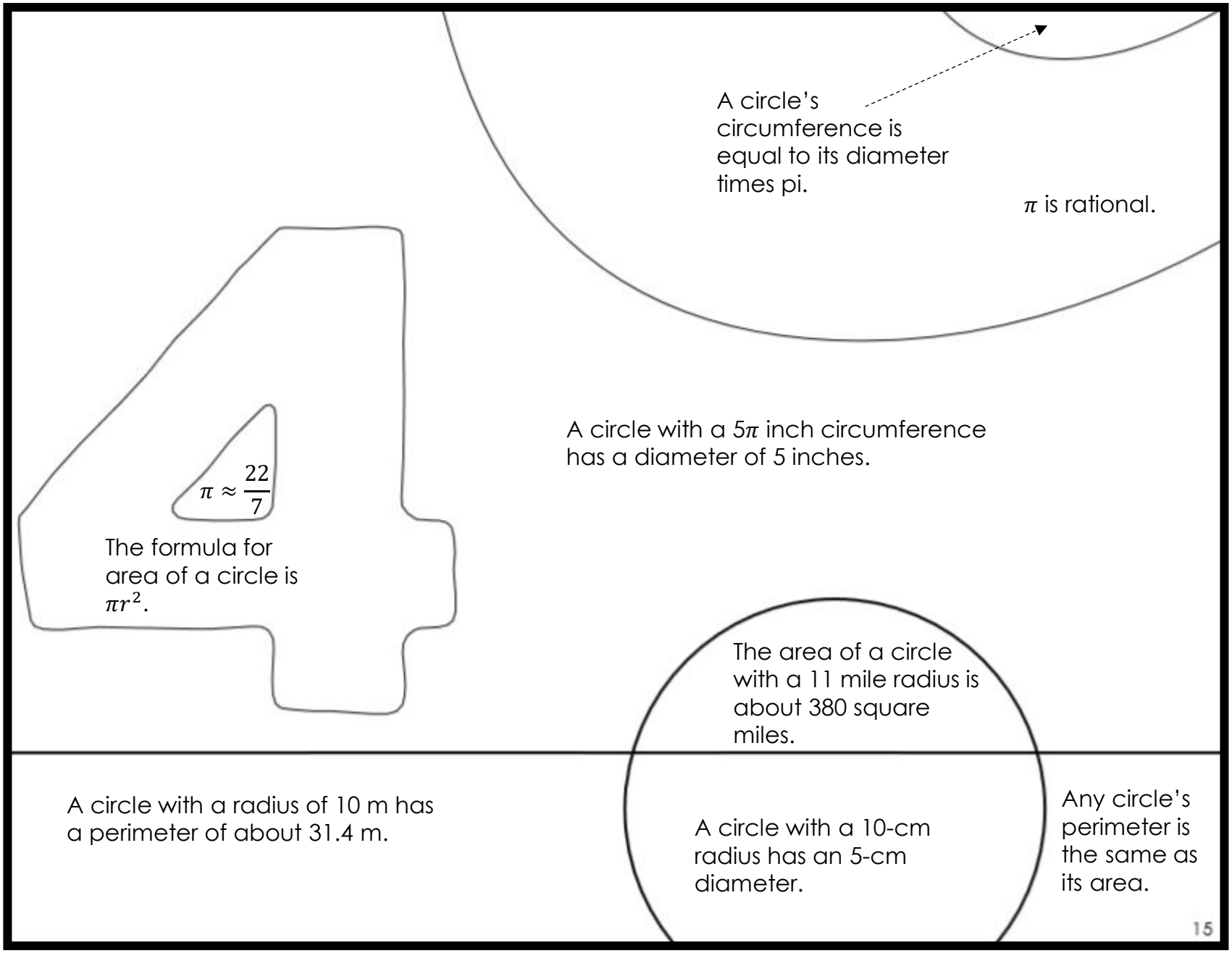
A circle with a 2-cm radius has a circumference of 4π cm.

Pi is approx. 3.14.

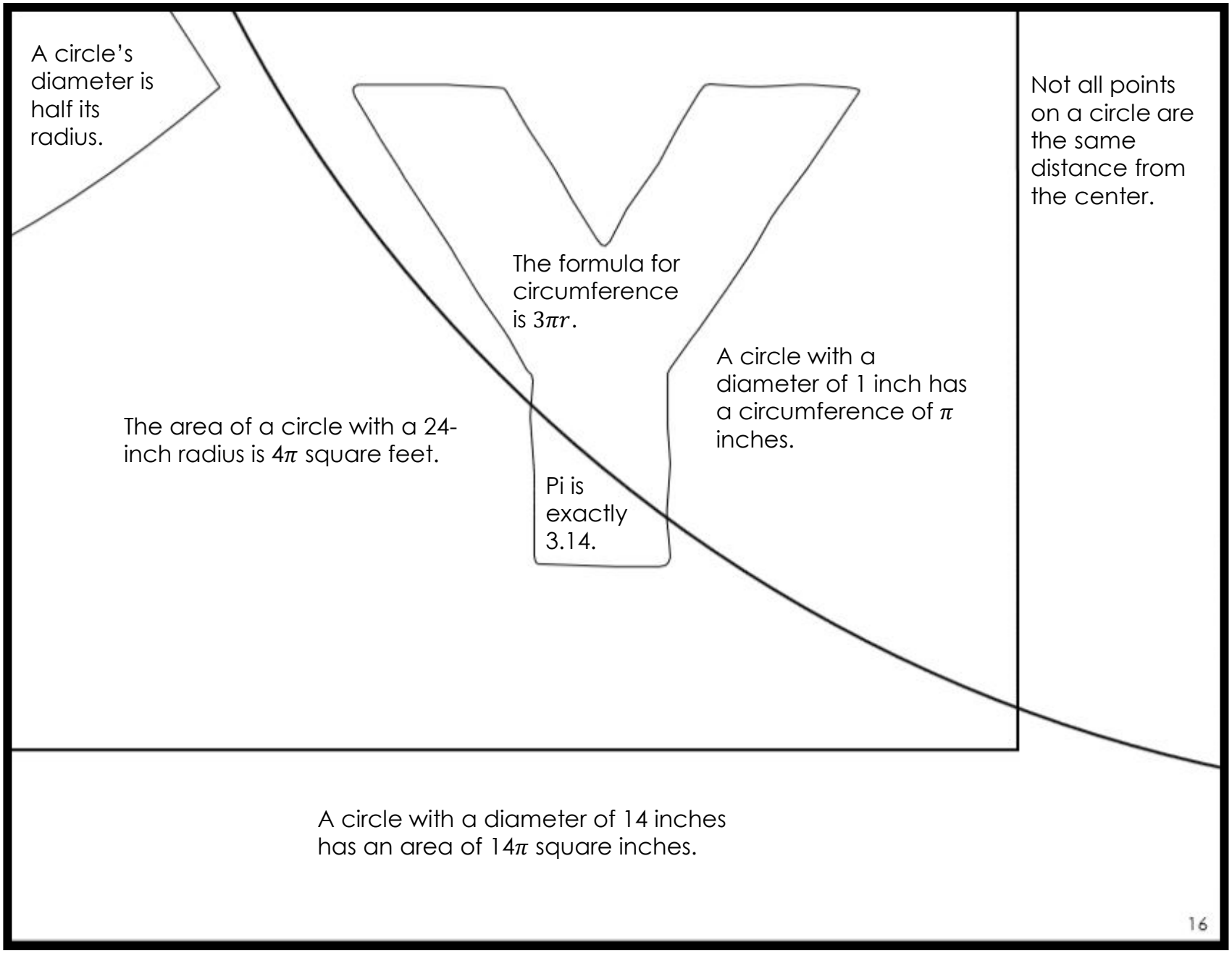
A circle is 2-dimensional.

A circle with a diameter of 3 inches has an area of 6π square inches.

Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

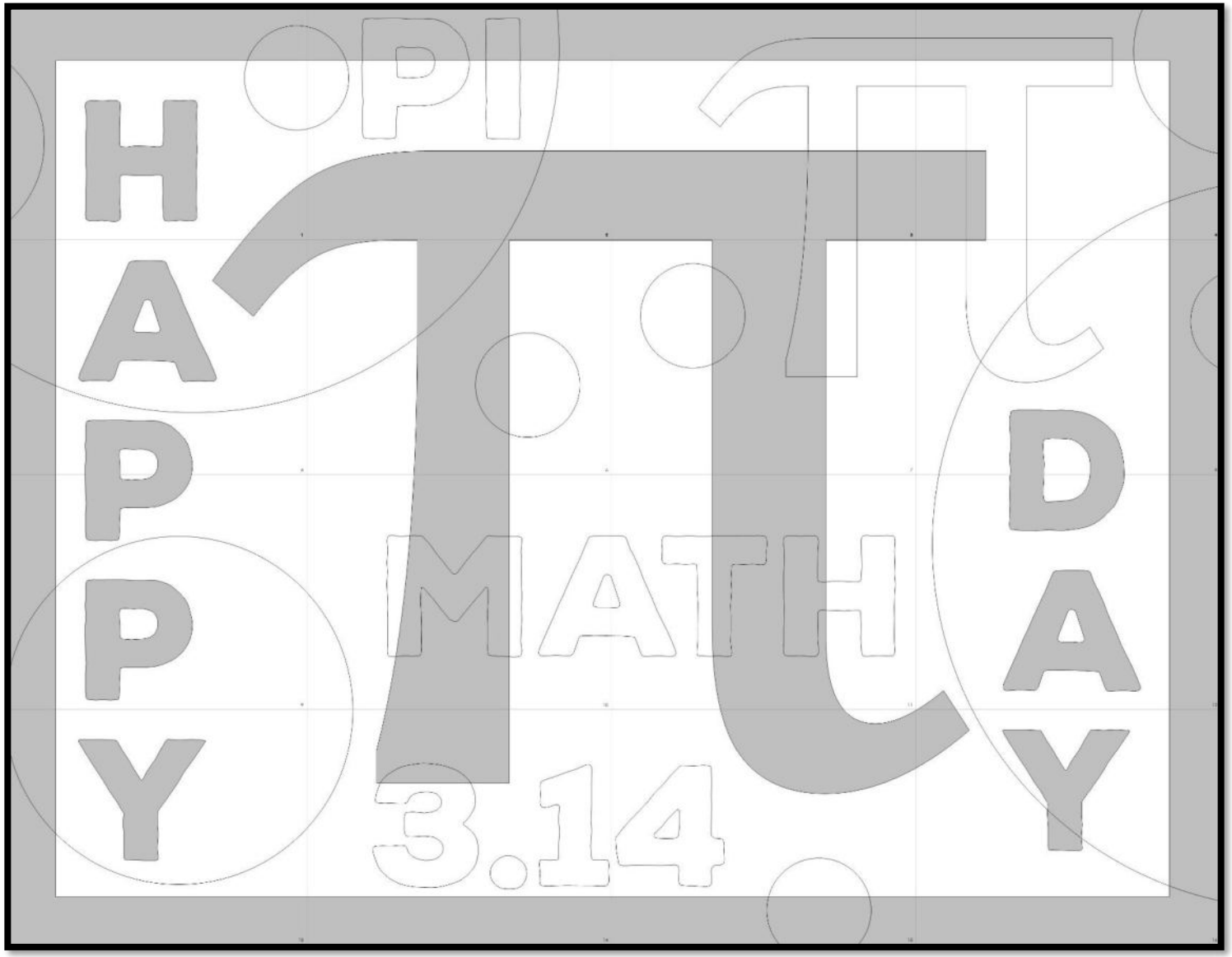


Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



Answer Keys

Complete poster



Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

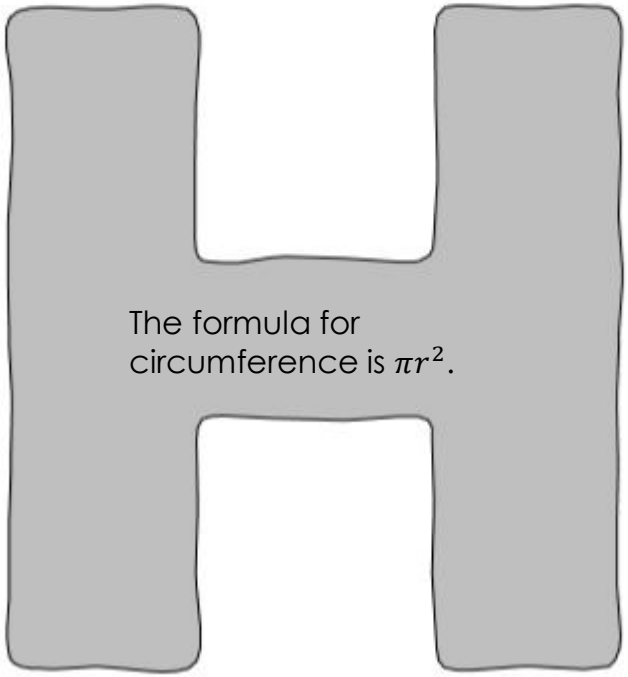
A circle's diameter is half its radius.

A circle is 3-dimensional

A circle with a diameter of 8 inches has an area of 16π square inches.

All points on a circle are the same distance from the center.

The area of a circle with a 3 ft radius is about 10.24 sq. ft.

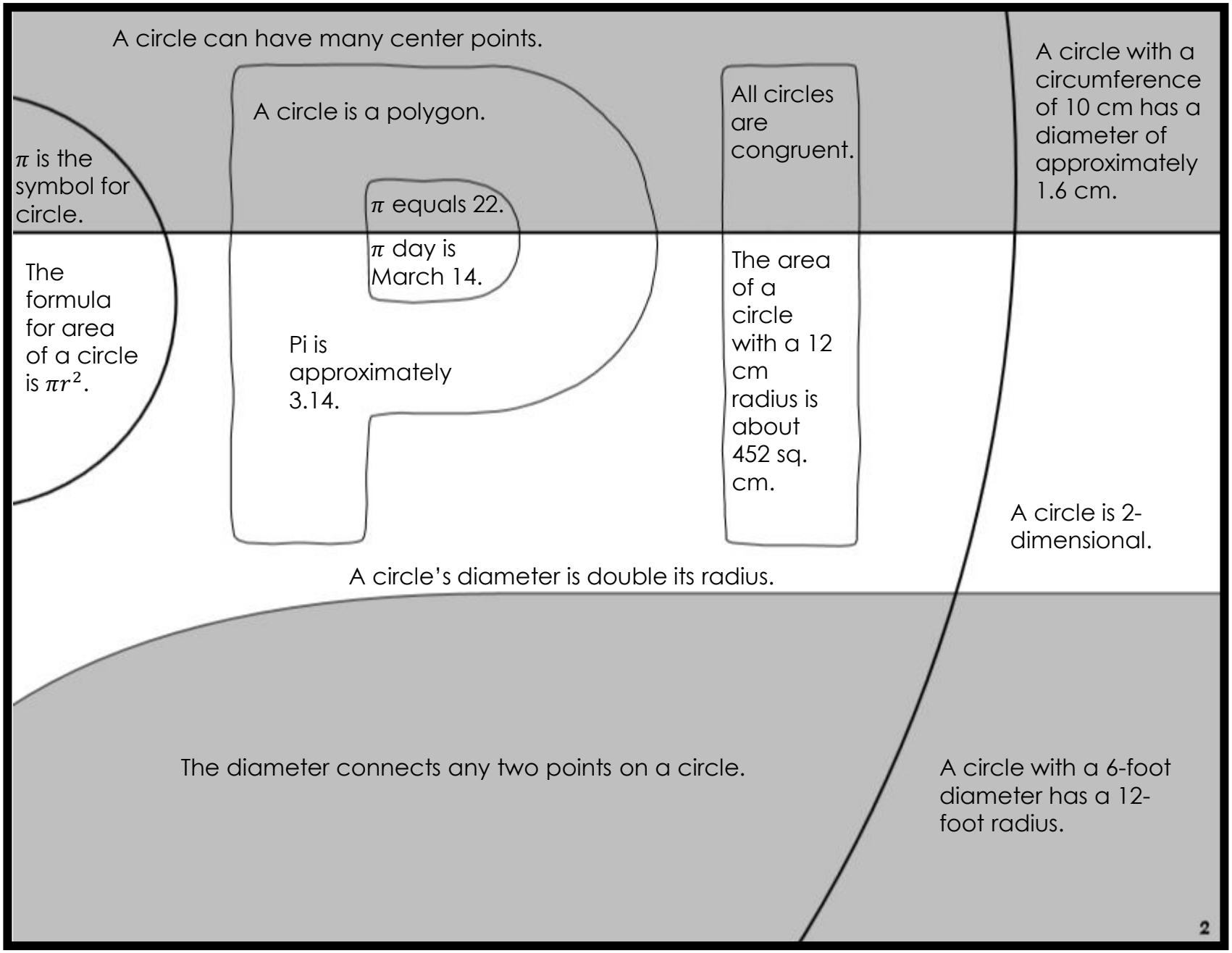


The formula for circumference is πr^2.

Pi is exactly 3.14.

1

Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

A circle with an 11-mile radius has a 5.5-mile diameter.

A circle with a radius of 1 inch has a circumference of π inches.

The formula for circumference is $2\pi r$.

The formula for area of a circle is πr^2.

The formula for circumference is πd.

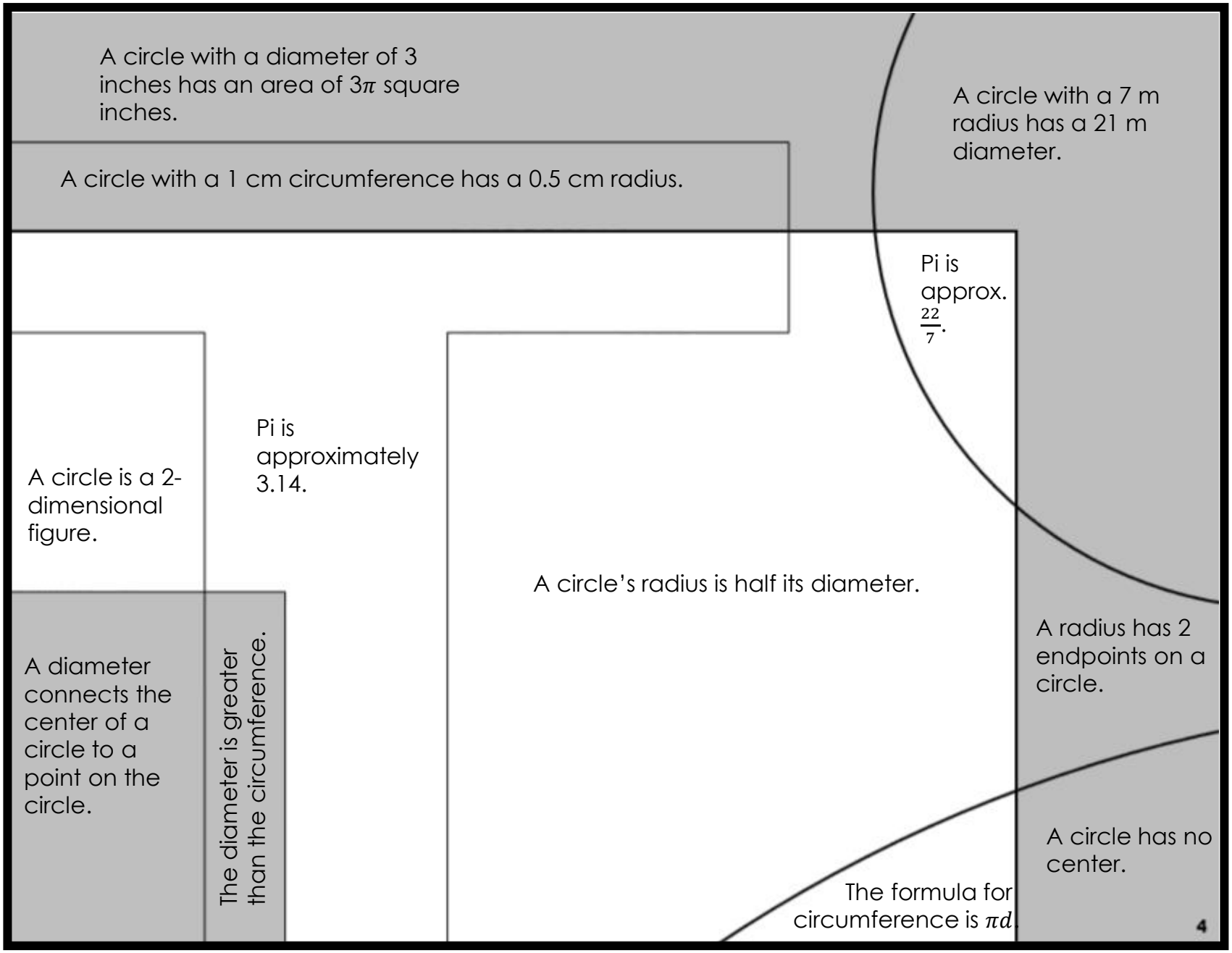
A circle with a 20 mm radius has an area of 40π mm.

Pi is exactly $\frac{22}{7}$.

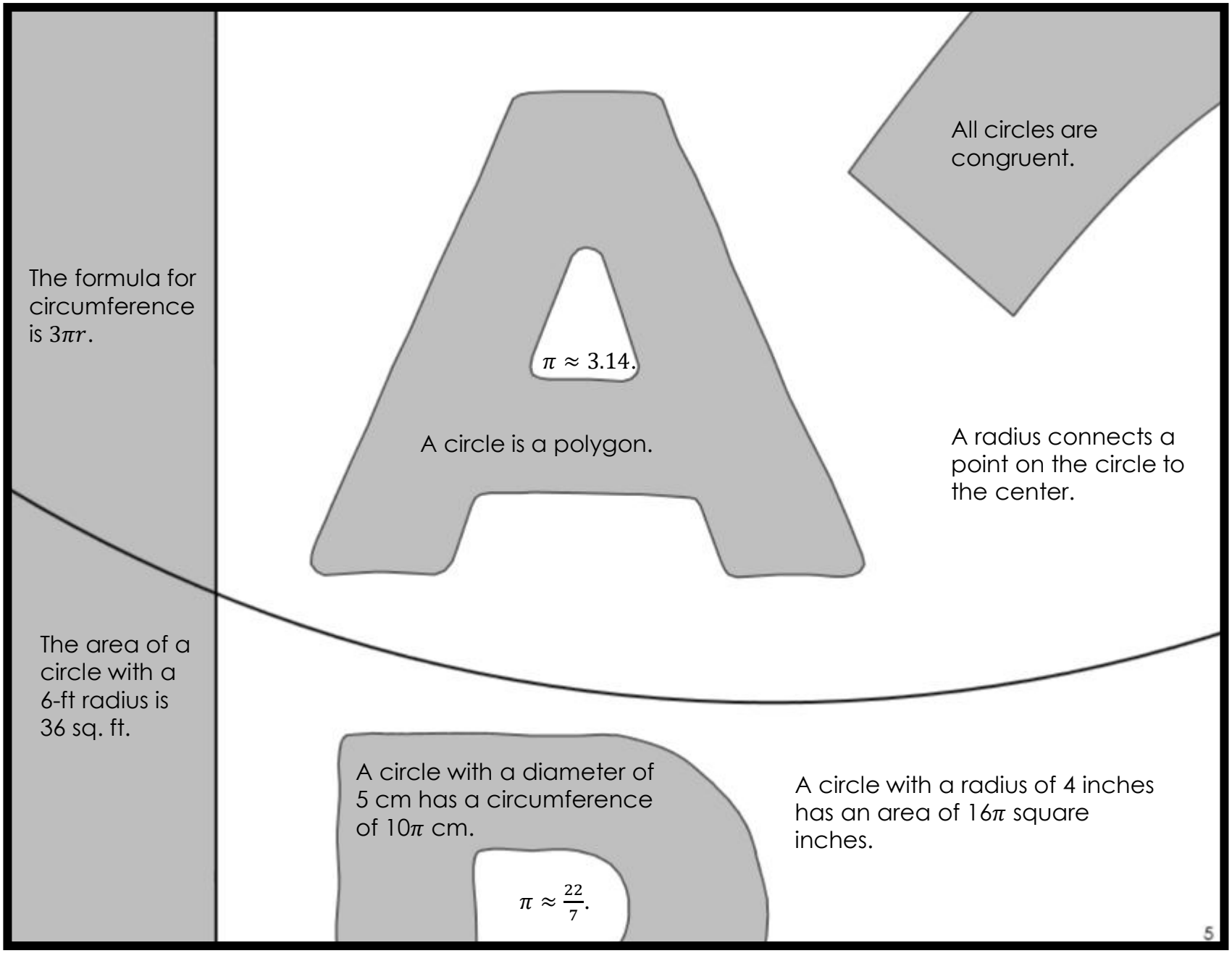
A circle with a diameter of 3 miles has a circumference of 3π miles.

3

Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

Pi is rational.

A circle with a diameter of 6 m has an area of 6π square meters.

A circle with a radius of 2 feet has a circumference of 4π feet.

All points on a circle are the same distance from the center.

A circle's radius is half its diameter.

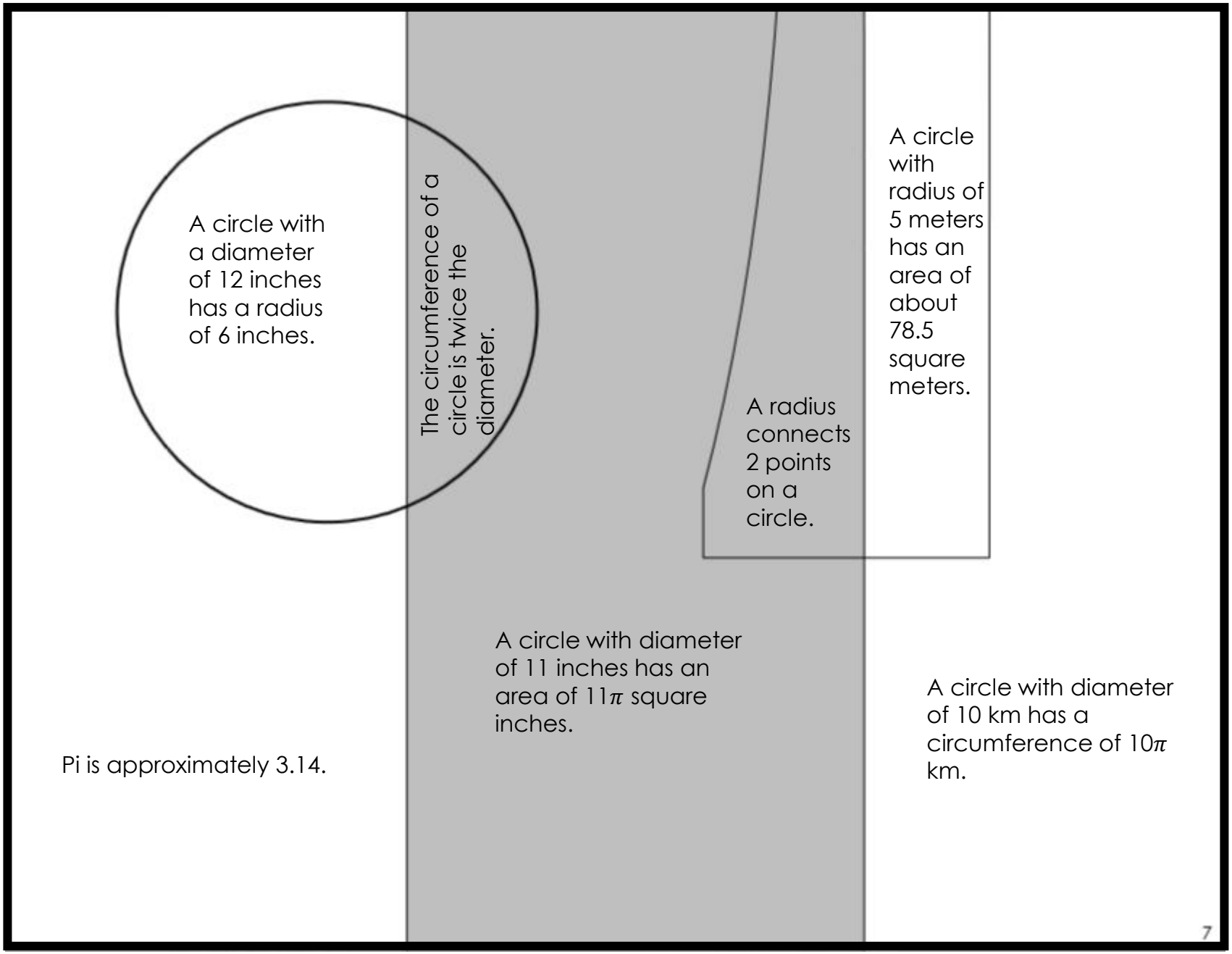
A circle's diameter is half its radius.

A circle with a diameter of 9 yards has a circumference of 27π feet.

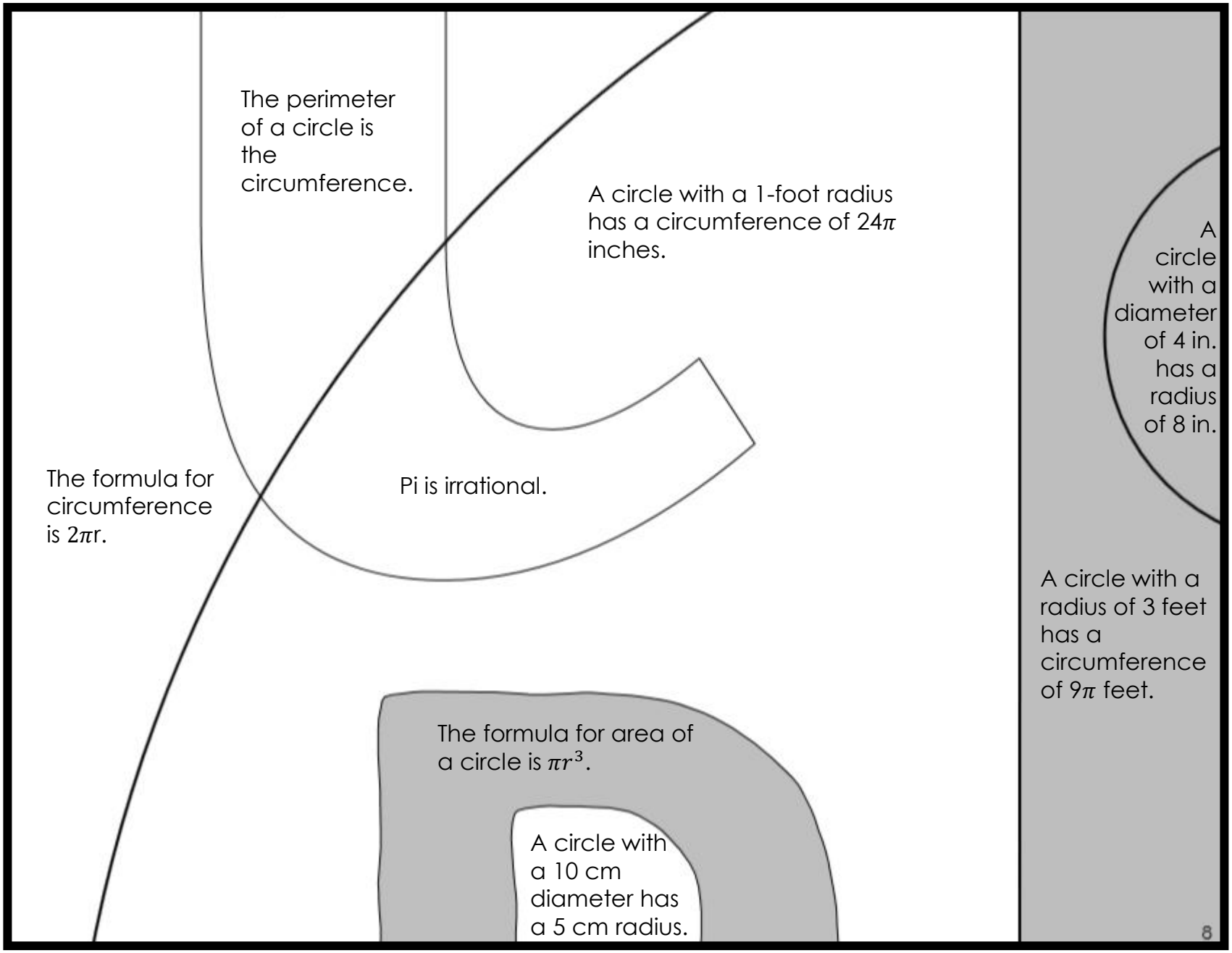
The formula for circumference is πr^2.

6

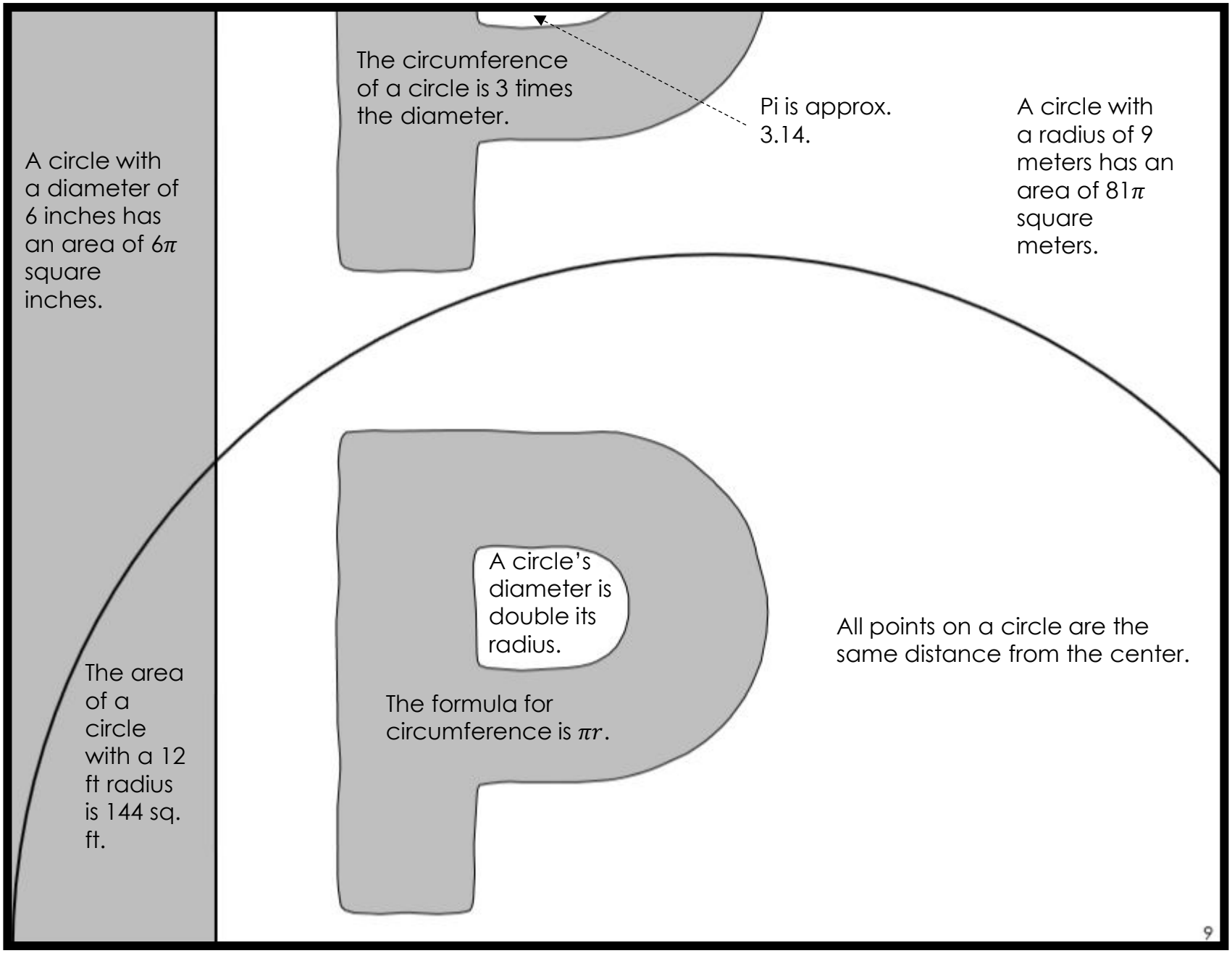
Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



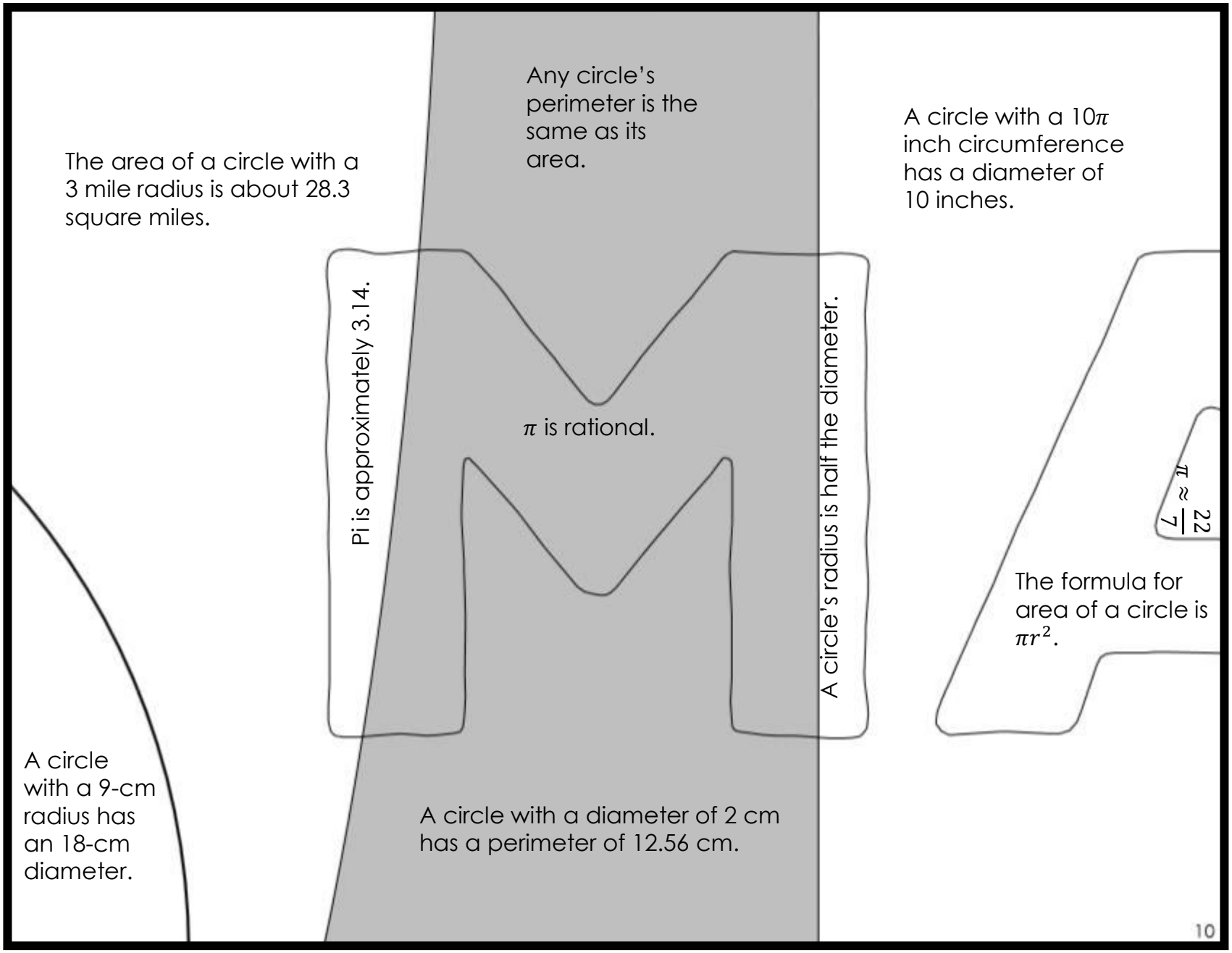
Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



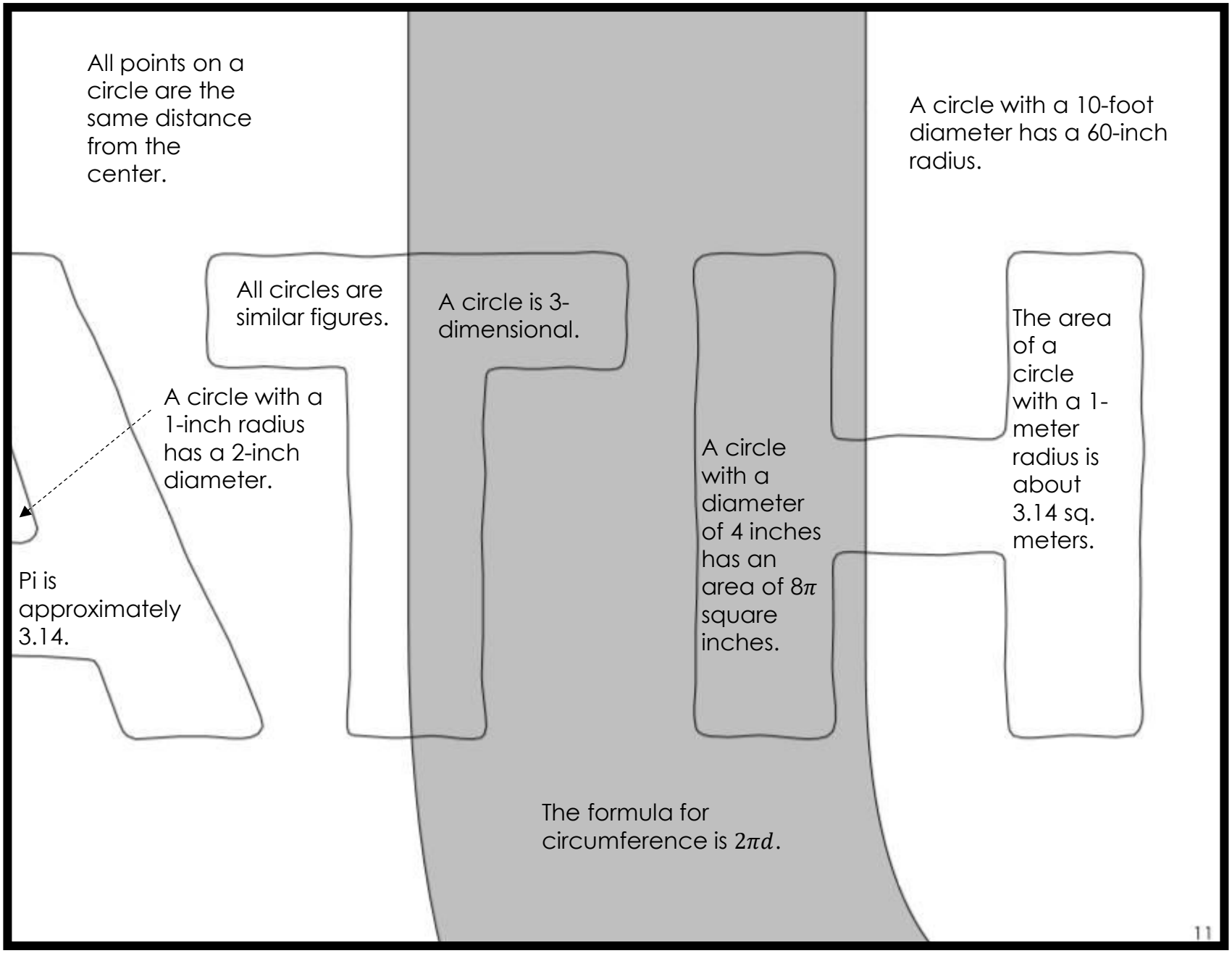
Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



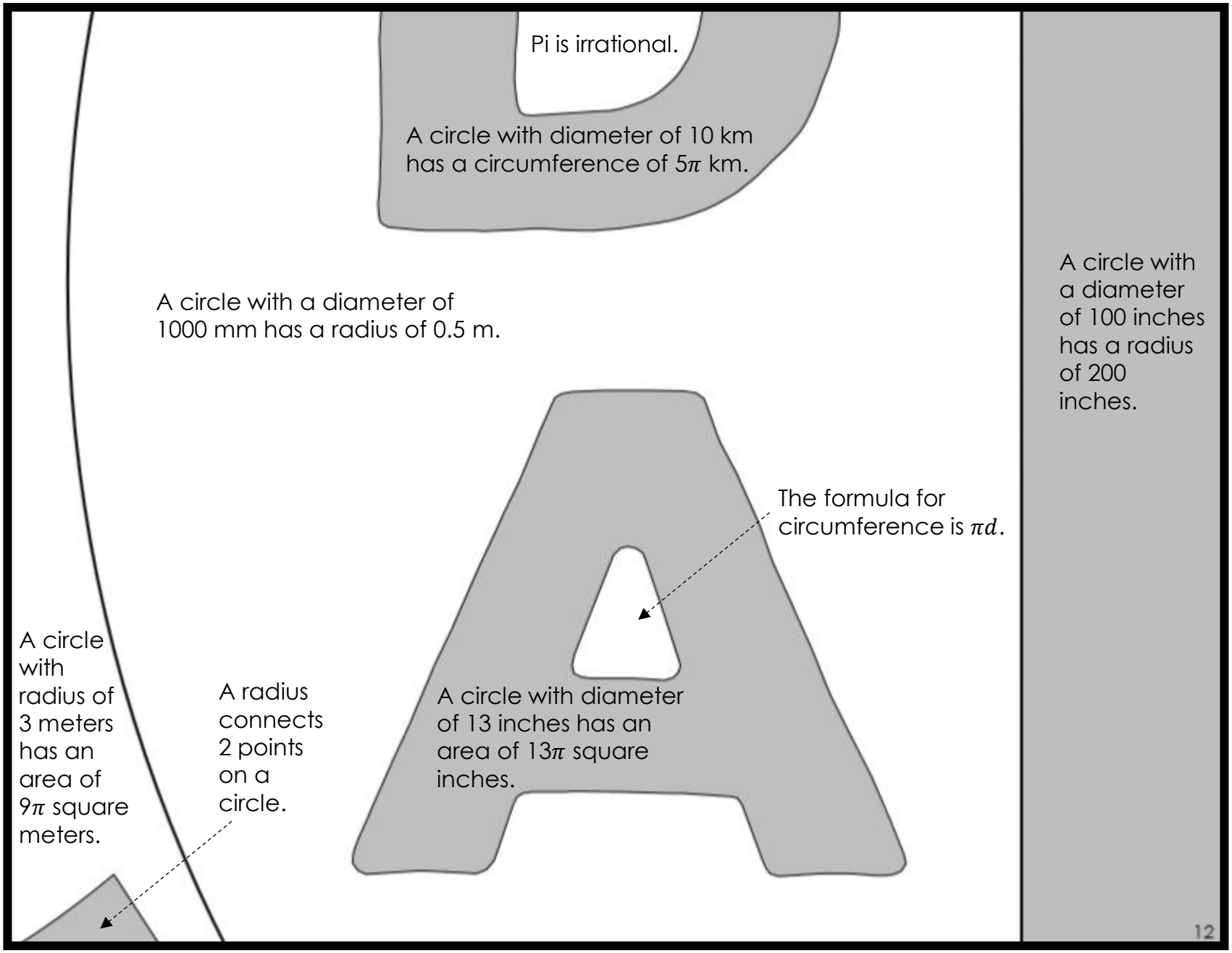
Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

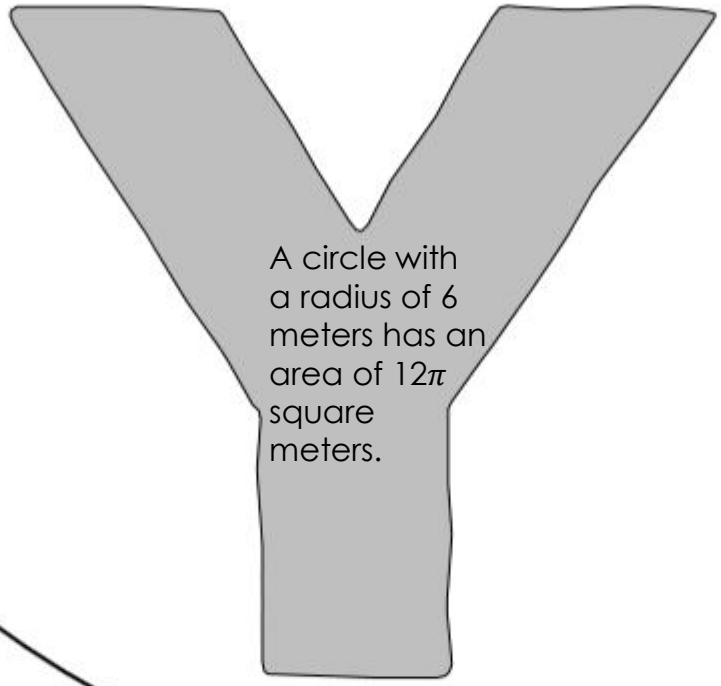


Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

Pi is approx. 4.13.



A circle with a radius of 6 meters has an area of 12π square meters.

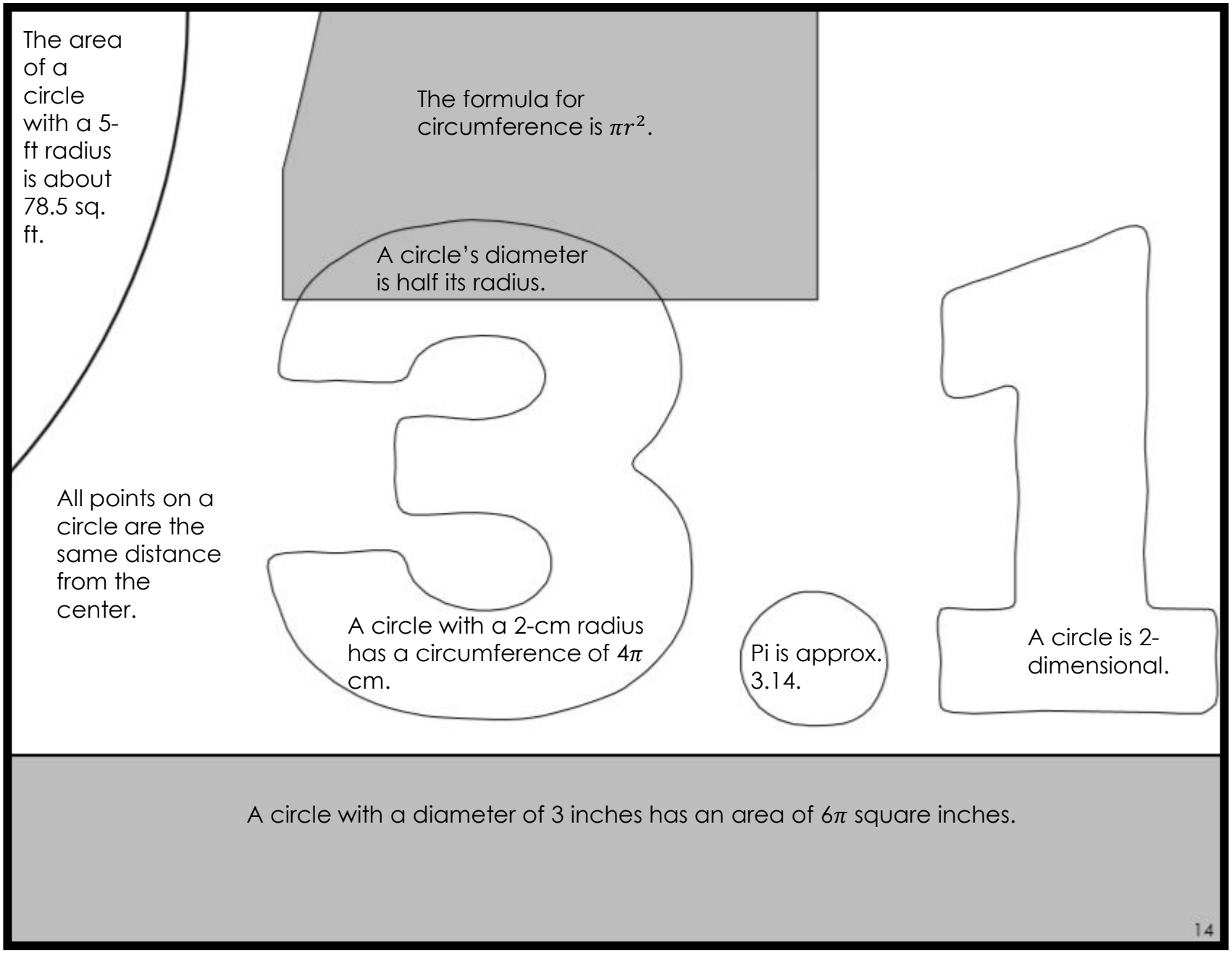
The circumference of a circle with a 12 ft radius is 24π ft.

A circle with a diameter of 2 inches has an area of π square inches.

The circumference of a circle is twice the diameter.

13

Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!

A circle's circumference is equal to its diameter times pi.

π is rational.

$\pi \approx \frac{22}{7}$

The formula for area of a circle is πr^2.

A circle with a 5π inch circumference has a diameter of 5 inches.

The area of a circle with a 11 mile radius is about 380 square miles.

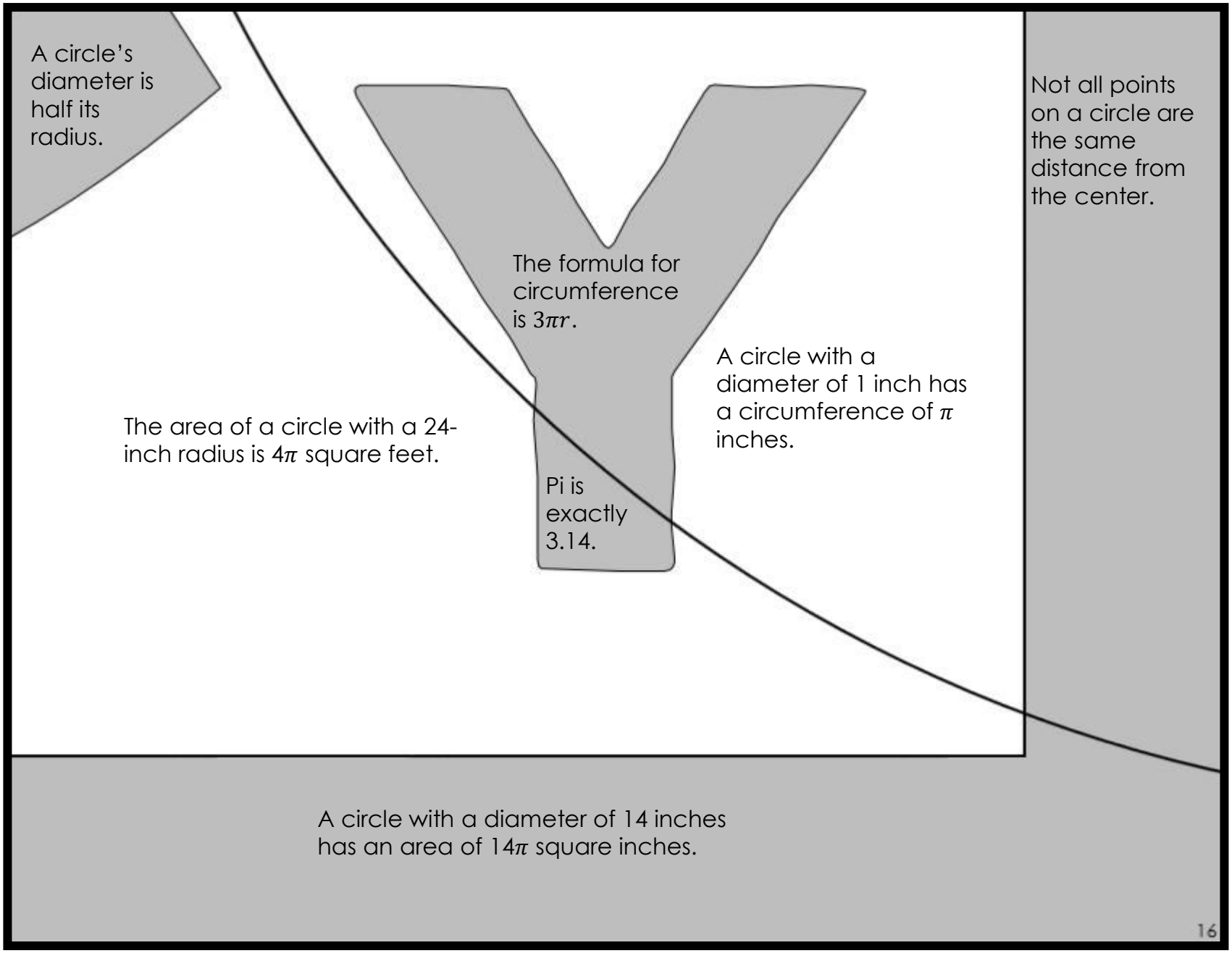
A circle with a radius of 10 m has a perimeter of about 31.4 m.

A circle with a 10-cm radius has an 5-cm diameter.

Any circle's perimeter is the same as its area.

15

Fill in any sections that contain a FALSE statement. Leave true statement sections white. When your piece is complete, cut it out and place it in the correct location. When all pieces are complete, a message will appear!



Thank you for downloading this resource from rise over run.

Thank you for respecting my work!

I appreciate your interest in my TpT store and my products.
Please email me at rise.over.run.tpt@gmail.com with any questions or comments.

Find me on Instagram: @rise.over.run.
Follow my blog: riseoverruntpt.wordpress.com

Feedback is greatly appreciated!

Suggested Resources: