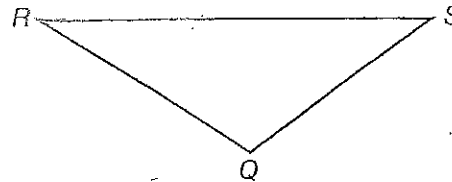


# MCAS MIXER



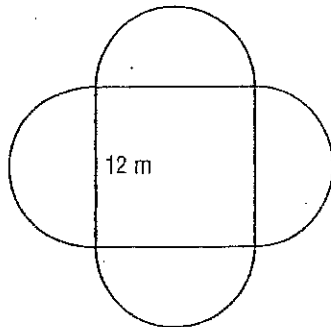
1 Janine measured angle  $R$  as  $32^\circ$ . She measured angle  $Q$  as  $112^\circ$ . What is the measure of angle  $S$ ?

- A.  $12^\circ$
- B.  $36^\circ$
- C.  $80^\circ$
- D.  $144^\circ$



7.G.1

2 The figure below is a square surrounded by four semicircles.

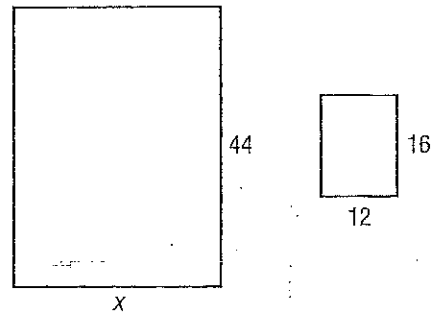


What is the area of the figure?  
(Use 3.14 for  $\pi$ .)

- A. 226.08 square meters
- B. 257.04 square meters
- C. 339.12 square meters
- D. 370.08 square meters

7.M.3

3 Look at the rectangles below.



For what value of  $x$  will the rectangles be similar?

- A. 39
- B. 36
- C. 33
- D. 28

7.G.2

4 A circular swimming pool has a diameter of 18 feet. What is the circumference of the swimming pool?

- A.  $9\pi$  feet
- B.  $18\pi$  feet
- C.  $81\pi$  feet
- D.  $324\pi$  feet

7.M.3

5 The sum of the measures of three angles of a quadrilateral is  $227^\circ$ . What is the measure of the fourth angle?

- A.  $133^\circ$
- B.  $94^\circ$
- C.  $84^\circ$
- D.  $47^\circ$

7.G.1