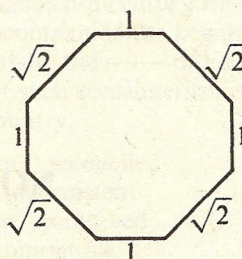In the figure above, the product of any two numbers in adjacent circles is equal to the product of the two numbers that are opposite those circles. For example, $3 \cdot f = 4 \cdot 6$. What is the value of j?

(A) 3
(B) 4
(C) 6
(D) 12
(E) 20

In the figure above, if $PQ \parallel RS$, then $x =$

28. If $x \neq 0$, then $\dfrac{x+7}{7x} - \dfrac{1}{x} =$

(A) $\dfrac{x+6}{6x}$

(B) $\dfrac{x+6}{7x}$

(C) $\dfrac{-6x+7}{7x}$

(D) $\dfrac{1}{7}$

(E) $-\dfrac{1}{7}$

29. The figure above shows the lengths of the sides of an equiangular polygon. What is the area of the polygon?

(A) 7
(B) 8
(C) 9
(D) $14\sqrt{2}$
(E) It cannot be determined from the information given.

30. A certain recipe makes enough batter for exactly 8 circular pancakes that are each 10 inches in diameter. How many circular pancakes, each 5 inches in diameter and of the same thickness as the 10-inch pancakes, should the recipe make?

(A) 4
(B) 16
(C) 24
(D) 32
(E) 40

STOP

IF YOU FINISH BEFORE TIME IS CALLED, YOU MAY CHECK YOUR WORK ON THIS SECTION ONLY.
DO NOT TURN TO ANY OTHER SECTION IN THE TEST.