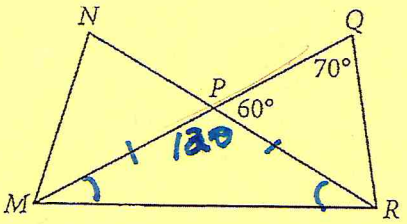
Geometry Review for PSAT and SAT Test

Name: Key



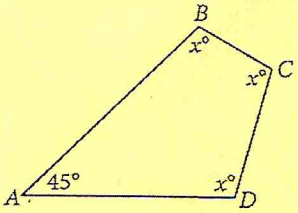
In the figure above, $\overline{MQ}$ and $\overline{NR}$ intersect at point P, $NP = QP$, and $MP = PR$. What is the measure, in degrees, of $\angle QMR$? (Disregard the degree symbol when gridding your answer.)

$180 - 120 = 60$

$60 \div 2 = 30°$

~~$m\angle QMR = 25°$~~

$m\angle QMR = 30°$



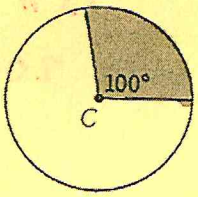
In the figure above, what is the value of x ?

A) 45
B) 90
C) 100
D) 105

$3x + 45 = 360$

$3x = 315$

$x = 105$



Point C is the center of the circle above. What fraction of the area of the circle is the area of the shaded region?

$\frac{100}{360} = \frac{5}{18}$