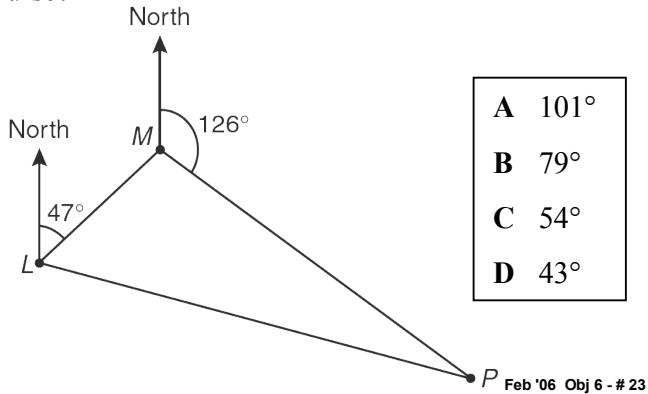
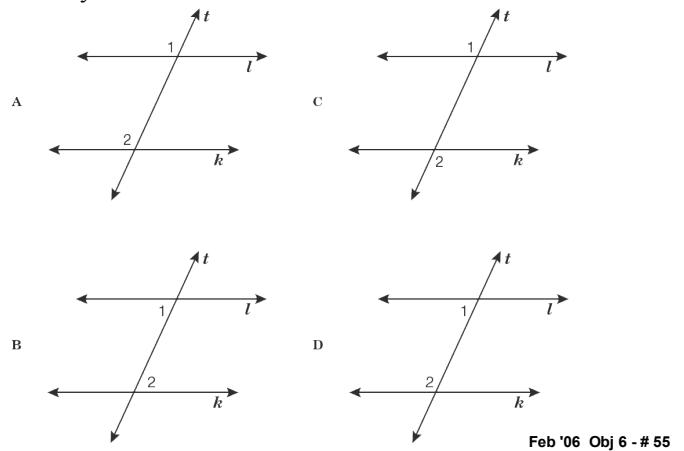


Objective 6 - Page 4 of 6

The figure below shows Aaron's recent hiking course, which started at point L , went to point M and then point P , and then returned to point L . What is the measure of $\angle LMP$ formed by Aaron's hiking course?



Mitch drew lines l , k , and t . Lines l and k were parallel to each other. Mitch measured 2 alternate interior angles. He labeled the angles 1 and 2. Which of the following shows angles 1 and 2 correctly labeled?



In $\triangle PKN$, $PN = 14$ inches, $m\angle N = 30^\circ$, and $m\angle K = 90^\circ$. Which is closest to the perimeter of $\triangle PKN$?

- F** 42 in.

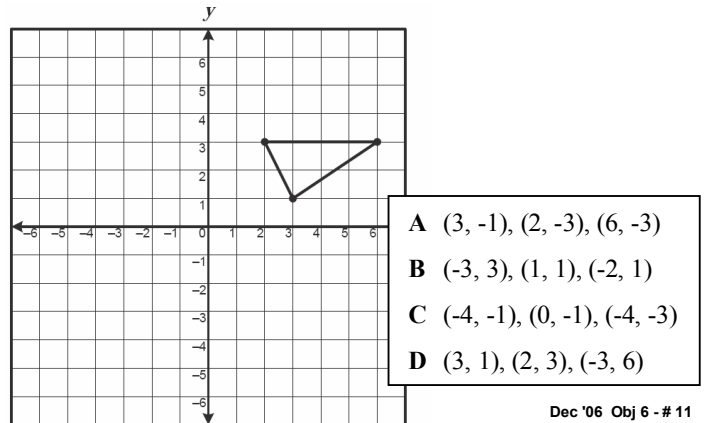
G 33 in.

H 31 in.

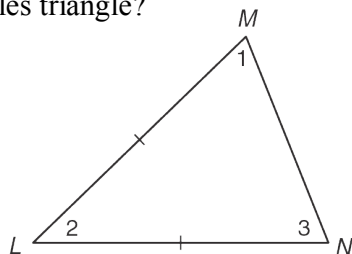
J 28 in.

Feb '06 Obj 6 - # 38

Look at the triangle graphed on the coordinate grid below. Which coordinates are the vertices of a triangle congruent to this figure?



Shown below is $\triangle LMN$, an isosceles triangle. Which equation can be used to find the measure of the vertex angle of this isosceles triangle?



- A** $m\angle 1 = 180^\circ - (m\angle 2 - m\angle 3)$

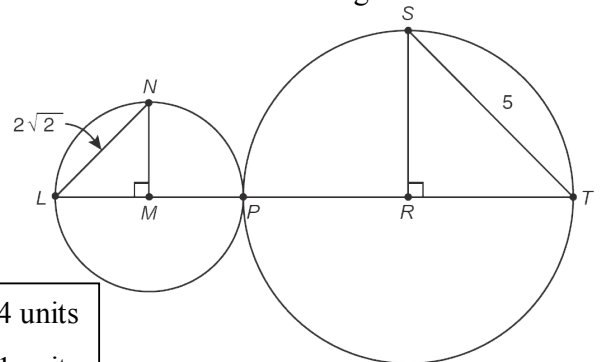
B $m\angle 2 = 180^\circ - (m\angle 1 + m\angle 3)$

C $m\angle 3 = 180^\circ + m\angle 1 - m\angle 2$

D $180^\circ = m\angle 1 - m\angle 2 + m\angle 3$

Feb '06 Obj 6 - # 43

In the figure below, circle M and circle R intersect at point P . Which is closest to the length of LT ?



- F** 14 units

G 11 units

H 18 units

J 16 units

Dec '06 Obj 6 - # 22