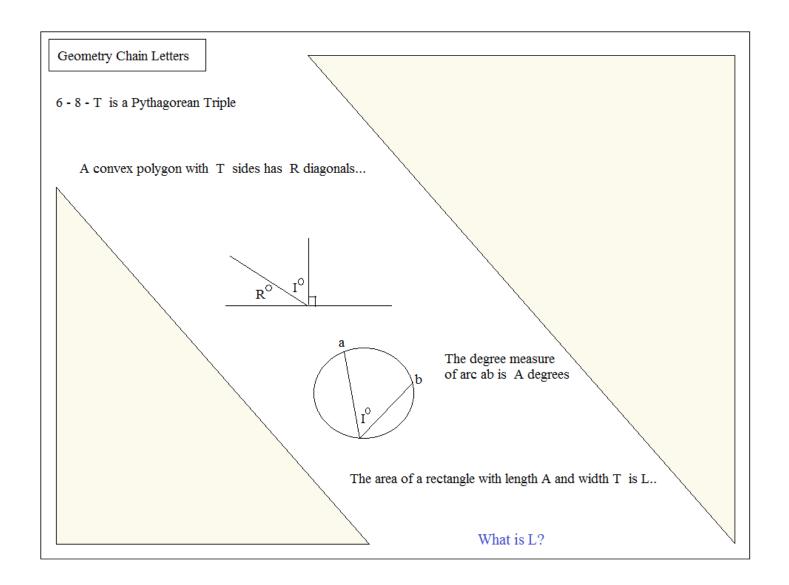


PREVIEW

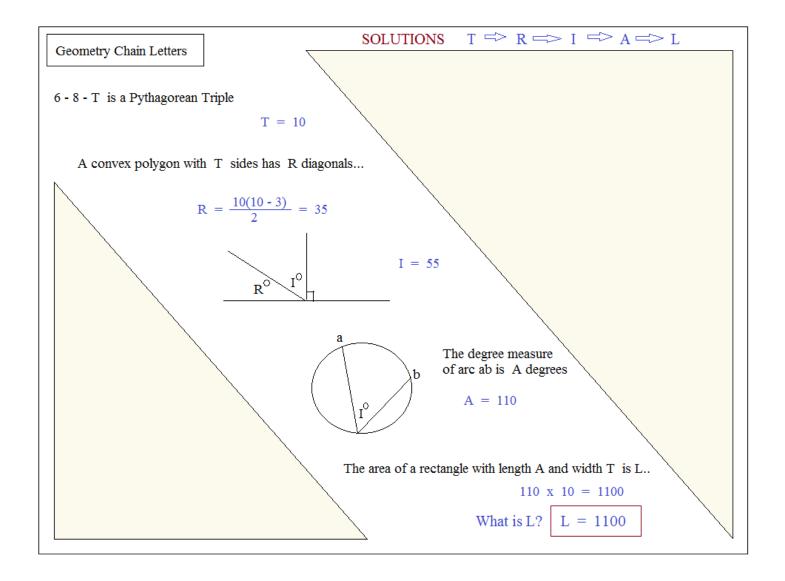
Geometry "Chain Letters" are composed of 5 brief math questions.

Answer each one, in sequence, to reach the last letter -→ the solution!

Here is a trial run for you to sample.

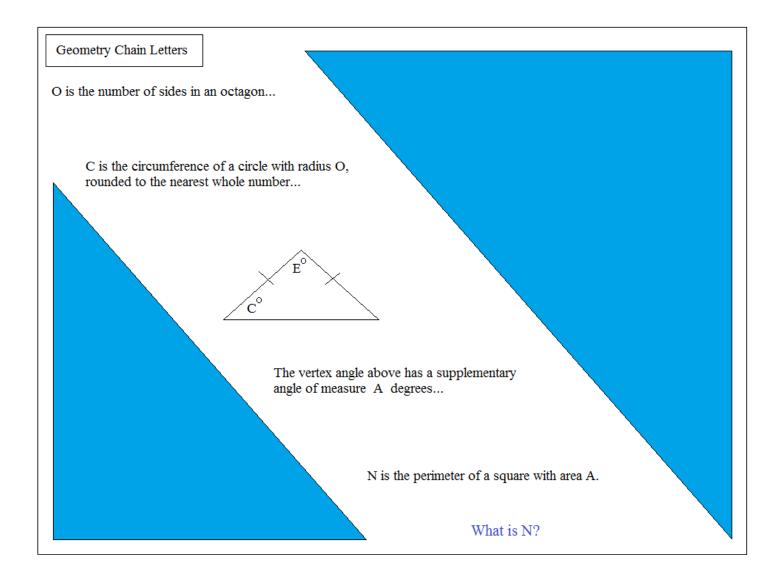


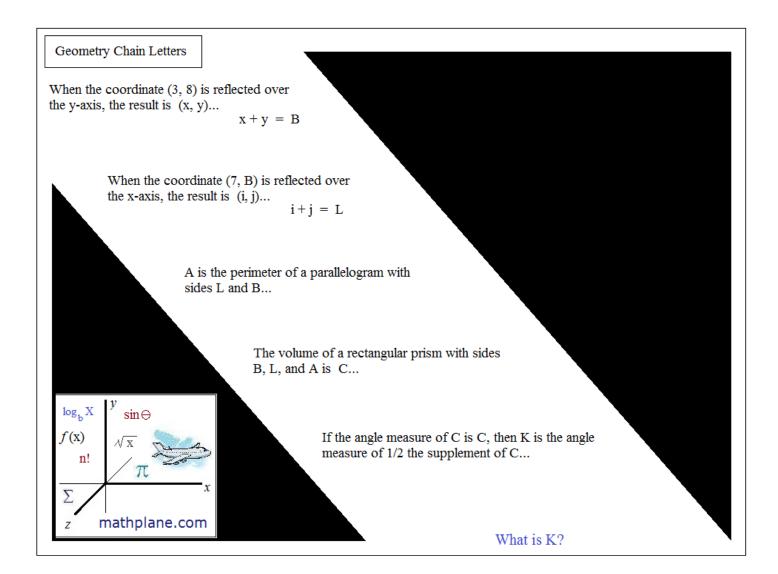
SOLUTIONS→

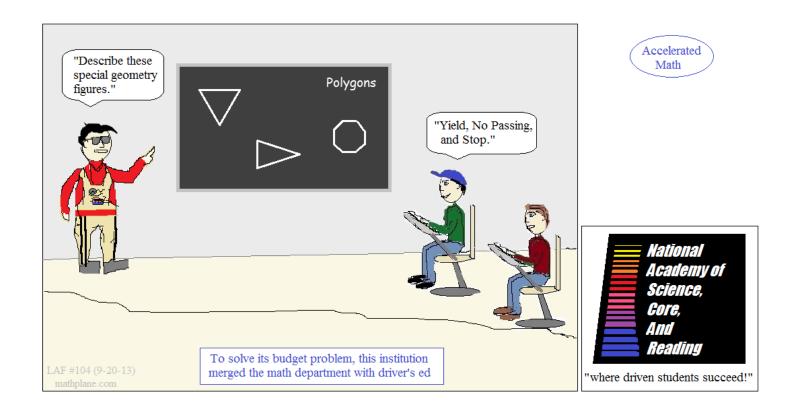


Here are 12 more chains, involving a variety of geometry topics...

Enjoy!







SOLUTIONS-→

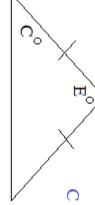
O is the number of sides in an octagon...

$$0 = 8$$

C is the circumference of a circle with radius O, rounded to the nearest whole number...

$$C = 2 \text{ (radius)} = 16 \text{ (} \approx 50.26$$





E = 80

$$C + C + E = 180$$

The vertex angle above has a supplementary angle of measure A degrees...

A supplementary angle is 100 degrees A = 100

N is the perimeter of a square with area A.

If area of square is 100, then sides are 10...

 $4 \times 10 = 40$

What is N?
$$N = 40$$

Geometry Chain Letters

SOLUTIONS

В







the y-axis, the result is (x, y)... When the coordinate (3, 8) is reflected over

$$x + y = B$$

$$(-3, 8)$$
 B = $-3 + 8 = 5$

the x-axis, the result is (i, j)... When the coordinate (7, B) is reflected over

$$i+j=L$$

$$L = 7 + (-5) = 2$$

sides L and B... A is the perimeter of a parallelogram with

$$5+2+5+2=14$$

$$A = 14$$

B, L, and A is C... The volume of a rectangular prism with sides

$$C = 5 \times 2 \times 14 = 140$$

measure of 1/2 the supplement of C... If the angle measure of C is C, then K is the angle

f(x)

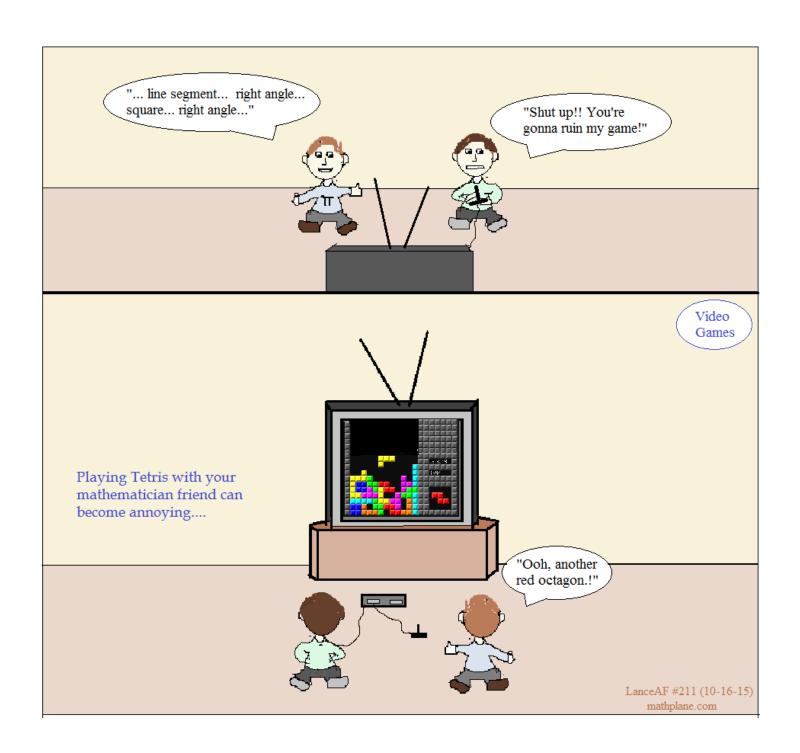
sin⊖

Supplement of C is 40...

1/2 the supplement of C is 20...

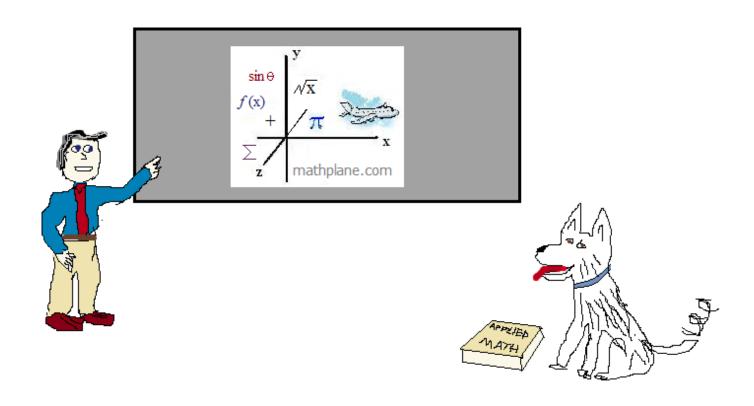
mathplane.com

$$K = 20$$



< END OF PREVIEW >

Thanks for visiting! To see the other chain letter exercises, download the product file. Proceeds go to mathplane site maintenance and improvement (and, treats for Norway the Husky!). We appreciate your support.



Also, Mathplane Express for mobile at mathplane.org