Cereal Food Drive!

Winning Class will be rewarded!

Warm Up-

Find the area of $\triangle XYZ$ if m $\triangle Y = 67$ and x = 12 and z = 7.1

$$\frac{7.167}{2} = 39.2 \ln 67$$

You are flying the perimeter of the Bermuda Triangle. The distances you fly are 12.4 miles, 19.7 miles, and 8.5 miles. Find all the angles of the Burmuda Triangle.

The angles of the Burmuda Triangle.

$$A^{140.25^{\circ}} = b^{2} + c^{2} - (abc \cos A)$$

$$A^{140.25^{\circ}} = 8.5^{2} + 12.4^{2} - (a(1a.4)(8.5))$$

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You are on top of the empire state building looking down at a snake on the ground. The angle of depression is 29 oand the empire state building is 443 meters tall. What is the direct distance from you to the snake?

friends. Find how far you have to pass the ball to your friend.

$$180 - 47 - 38.6 \quad 93.5 \ln(47) = 5 \ln(A)$$
 $= 94.4$

$$\frac{\sin(47)}{109} = \frac{\sin(94.4)}{x} \cdot 62 = \sin(A)$$

$$\sin(.6a) = 38.6^{\circ}$$

$$\frac{109.51n(94.4)}{51n(47)} = |48.6f+$$

$$SIN\Theta = \frac{3}{4}$$

$$CSCO = \frac{1}{3}$$

$$Seco = \frac{1}{5}$$

$$coto = \sqrt{3}$$

$$3^{2}+b^{2}=4^{2}$$
 $b^{2}=1b-9$

Homework! Workbook Pg 80-81 #2, 4, 7, 9, 10, 13, 14.