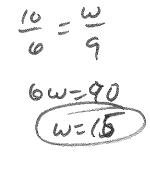
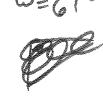


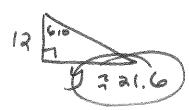
Sincle me1= = 37° 9un 37° = 2, CUST

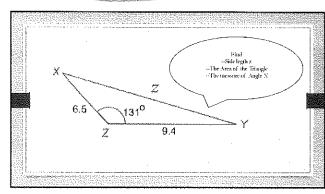


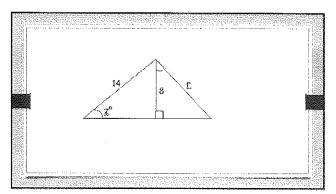




tan61= 4







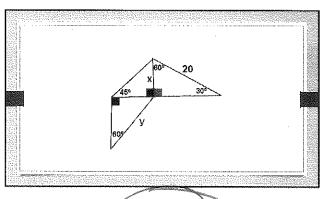
22=6.52+9.42-216.589.4kos131 Sinz=8

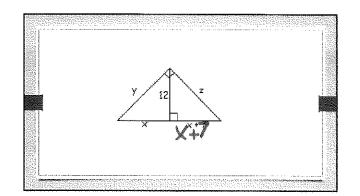
 $Sin k = \frac{8}{14}$ $9.4 = \frac{14.5}{14.5}$ Cosi $= \frac{1}{2}(6.5)(9.4)\sin[3]$ (2.33.1)

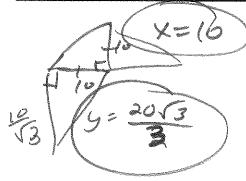
cos 35 = 8

the thousandths.	neters. Find the length of an allitude. Round to	You are a block away from a skyscraper that is 780 feet tall. Your friend is between the skyscraper and yourself. The angle of elevation from your position to the top of the skyscraper is 42°. The angle of elevation from your friend's position to the top of the skyscraper is 71°. To the nearest foot, how far are you from your friend?	
The perimeter of a rectangle is 32 feet. The lediagonal. Round to the thousandths.	ngth is three times the width. Find the length of a		
h=15-53	423	43° /1° 180 4 2 30 tan	71°= 78
(3 13.0 _m)	V160 TUTE & 12.	14m9 = 2 2x860 = 3 = 3 = 3 = 597.	24+
A flagpole is 50 feet from a point on the grothe flagpole to the same point on this groun the nearest foot.	und. The angle of depression from the top of d is 40°. Calculate the height of the flagpole to	The grade of a road is the <u>ratio</u> rise. , usually expressed as a percent. For example, a railway with grade of 5% rises 5 ft. for every 100 ft. of horizontal distance. The world's steepest railway is the <u>Katoonina Scenic Railway</u> in the Blue Mountains of Australia. It has a grade of 122%. At what angle does this railway go up?	
Constitution of the second	10°50 h 50 + en 40°=	100 122 h	

3







X = 13 X + 7 144=x2+7x

O= x2+7x-144

(x+16)(x-9) (x=9) (x=9) (x=9) (x=9)

Name each type of triangle by its sides AND angles given the following side lengths! $8\sqrt{3},16\sqrt{3},24$ $4\sqrt{2},4\sqrt{2},10$

(855)2+242 (653)2

768= 768 Scalene right

(452)² +(452)² 100 32+32 100 592 100 Isos. Obline