Honors	Geometry
HOHOLZ	Geometry

Practice!



1.	The complement of an angle is 16 more than the angle. What's the measure of the angle?
(90-x)=	$x+16 \times (x + x + 16 = 90)$ $2x = 74$ x = 37
2.	The complement of an angle is 6 more than twice as big as the angle. What's the measure of the
	angle? (5) Com? (3) 33x-84
Con SOL	angle? $(x + 2x + 6 = 90)$ $(x - 28)$ (x + 2x + 6 = 90) $(x - 28)$
(90-X)=	and the same of th
3.	An angle is 46° less than its supplement. What are the measures of the 2 angles?
V. Gar	An angle is 4 times the measure of its complement. What's the measure of its supplement? An angle is 4 times the measure of its complement. What's the measure of its supplement?
X=(180 4.	An angle is 4 times the measure of its complement. What's the measure of its supplement?
6 ($X + 4X = 90$ 5×90 6×90 $180 - 72$
X=4 (90	(x + 4x = 90) $5x = 90$ 500 $4 = 4(18)$ $180 - 72$ $(= 1080)$ $= 5upplement$
5.	The complement of an angle is 48°. What's the measure of its supplement? $ \begin{array}{cccccccccccccccccccccccccccccccccc$
	90-48 180-42
	When ½ the supplement of an angle is added to the complement of the angle, the sum is 120°.
6.	
	What's the measure of the complement?
	= (180-x)+ (90-x)=120 / X=40 SO Complement is
	What's the measure of the complement? $\frac{1.5 \times 100}{1.5 \times 100}$ So complement is $\frac{1}{2}(180-x) + (90-x) = 120$ He argle $\frac{90-40}{500}$
7.	The complement of 34°46′ angle is bisected. What is the measure of the smaller angles?
	89 60 3446 2 55° 14' 27.5° 07' of 27°37'
8.	3 angles add to 132° and are in the ratio 2.4.5. What are the 3 angles?
	202 = 240
	2x +4x +5x = 132 4(12) = 480
	$7 \times +4 \times +5 \times = 132$ $\frac{2(12)}{4(12)} = \frac{24}{48}$ $\frac{11}{2} \times \frac{132}{5(12)} = \frac{24}{600}$ An angle has been bijected. Then are of the smaller angles was trisected. So of the smaller triple in the smaller angles was trisected.
9.	An angle has been bisected, then one of the smaller angles was trisected. One of the smallest
	angles measures 8°. What was the measure of the original angle?
	8 x3 = 24°
	24×2 {48°
	27 * 2 7 8
10.	An 72° angle was trisected, then one of the three pieces was bisected, then one of those 2 was
	bisected again. Sketch this below and include the measures of each angle.