Nan Insti	ne: ructor:			Date: Section:	
Pra	actice Set 2.3				
Use	the choices to fill in each b	olank.			
	multiplication addition	division subtraction	supplementary complementary	elementary calculator	
1.	Two angles whose sum measures 90° are called				
2.	Two angles whose sum measures 180° are called				
3.	The words difference, decreased, and less translate into the operation of				
4.	The words increased, more than, and sum translate into the operation of				
5.	The words twice, times, and product translate into the operation of				
6.	The words quotient, per, and divided by translate into the operation of				
Exp	ress each phrase as an alge	braic expression.			
7.	3 less than a number, <i>x</i>		7		
8.	the length, l , increased by	7	8		
9.	twice the difference of a	number, n , and 1	9		
10.	12 more than 3 times a nu	umber, p,	10		
11.	the number of cents in d	dimes	11		
12.	the cost of t shirts at \$19.	99 each	12		
13.	20% commission on selli	ng computers for c do	ollars 13		
14.	the amount of tax at a rate	e of 7% on d dollars			
Sele	ct one variable to represen	t one quantity and exp	press the second quantity in te	erms of the first.	
15.	Jeff and Tom have \$99 to	ogether.	15		
16.	Clarence and Carol comp	lete a task together in	12 hours. 16.		
17.	One angle of a triangle is	12° more than another	er. 17		
18.	The cost of postage has in	ncreased by 5%.	18		
19.	The sum of two numbers	is 30.	19		
20.	Your age now and your a	ge in 3 years	20		
21.	Nora can type 2% faster t	han Betty.	21		
22.	A 3-yard ribbon is cut int	to 2 pieces.	22.		

Problem Solving

23.	Angles A and B are complementary angles. Determine the measures of angles A and B if angle A is 14° less than 3 times the measure of angle B .	23
24.	Angles C and D are supplementary angles. Determine the measures of the angles C and D if angle C is 24° more than twice angle D .	24
25.	The sum of the measures of the angles of a triangle is 180°. Find the measures of the three angles of a triangle if the measure of the largest angle is 60° more than the smallest angle and the measure of the third angle is 3 times the smallest angle.	25
26.	WeChill Air Conditioning Repair Service charges \$75 for house calls plus \$40 per hour of labor. Another air conditioning repair service, 2Cool4U, charges \$60 for house calls plus \$50 per hour of labor. After how many hours of labor do the services cost the same?	26
27.	The cost for a large 16-inch cheese pizza at Myle's Pizza is \$11.90 plus \$1.75 for each additional topping. How many toppings can Bridget get on her large pizza if she has \$25 dollars to spend on the pizza? (Disregard tip and tax.)	27
Cha 28.	llenge The cost for a large 16-inch cheese pizza at Myle's Pizza is \$11.90 plus \$1.75 for each additional topping. How many toppings can Bridget get on her large pizza if she has \$25 to spend and wants to allow for the 7% sales tax and a 15% tip?	28.