Name:		Per:	
Honors I – Chapters 1 &	2 Practice Test	SHOW ALL YOUR WO	<u>DRK</u>
Evaluate or simplify each exp	ression.		
1. $\frac{3+7^2(5-2)}{5^2-10}$	2. $4 2x + 7 + 3x$ when $x = -2$	3. $(2x - 15)(-3)$	4. $7(x-5)+4$

5. Express the table as a relation of ordered pairs.			of ordered	pairs.	6. Express the mapping as a table. Label your table!	
x		-1	4	2	5	
У		3	3	8	9	
{					}	

7. Write the definition of a function:

Pick two letter of the alphabet: one whose graph is and one whose graph is not a function when written in lowercase.

For Problems 8-10, assume that $f(x) = x^2 + 1$ and g(x) = 3x

8. <i>f</i> (2)	9. $f(-1) + g(4)$	10. <i>g</i> (4 <i>a</i>)

11. Use the graph shown and write 3 sentences describing Dubai's gold sales for the entire year of 2002. Describe max, min, when it was increasing or decreasing, etc.



Solve each equation, if <u>POSSIBLE</u>. SHOW ALL WORK

12.	-t + 9 = 24	13.	14.	3(x+2) = 3x + 6	15. $2x - 6 = 9x + 8$
		$2\frac{1}{-}r =$	9		
		- 3 ~	5		

16.	x-2 = 2	17. $4 3x - 15 = -5$

Solve each proportion. SHOW ALL WORK.

18.	$\frac{5}{a} = \frac{6}{18}$	19.	$\frac{2}{x+3} = \frac{15}{60}$	20. $\frac{9x-3}{9} = \frac{5x+5}{3}$	

21. If a coat retails for \$120 and Bob Wards marks it up to \$165, what is the percent markup?	22. Solve the following equation for y: -x + 3y = 5	23. Solve the equation for k. $\frac{k+b}{-15} = a$
24. A caterer knows that 18 heads of lett for 70 people. How many heads of le people?	25. What value of A would cause the following equation to have no solutions? Explain your answer! Ax + 5 = 2x - 9	