Name: ______ Per: ______ Honors I – Chapters 1 & 2 Practice Test <u>SHOW ALL YOUR WORK</u> Evaluate or simplify each expression. 1. $\frac{3+7^2(5-2)}{5^2-10}$ 2. 4|2x+7|+3x when x = -2 3. (2x-15)(-3) 4. 4+7(x-5)6. -6x+45 7x-3



7. Write the definition of a function: pairing of inputs with outputs such that each input has only one output
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









21. If a coat retails for \$120 and Bob	22. Solve the following equation for y:	23. Solve the equation for k.
Wards marks it up to \$165, what is	-x + 3y = 5	$\frac{k+b}{a} = a$
the percent markup?	$y = \frac{5+x}{3}$ or $y = \frac{1}{3}x + \frac{5}{3}$	-15 "
37.5%		K=-15a-b
24. A caterer knows that 18 heads of lettuce are needed to make dinner salads		25. What value of <i>A</i> would cause
for 70 people. How many heads of lettuce are needed for a party of 175		the following equation to
people?		have no solutions? Explain
		<u>vour answe</u> r!
		Ax + 5 = 2x - 9
X=451	reads	A=2