Function Notation and Evaluation

Homework

Name	Key	
Data	Period	
Dale	renou	

1. If f(x) = 4x - 7

g(x) = -3x + 5, find each value.(use calculator to evaluate)

a.
$$f(3) = 4(3) - 7$$

$$f(3) = 5$$

c.
$$f(2.8) = 4(2.8) - 7$$

g.
$$f(-\frac{3}{4}) = 4(-\frac{3}{4}) - 7$$

$$f\left(-\frac{3}{4}\right) = -10$$

b.
$$g(-2) = -3(-2) + 5$$

d.
$$g(-3.2) = -3(-3.2) + 5$$

h.
$$g(\frac{5}{9}) = -3(\frac{5}{9}) + 5$$

$$9(\frac{5}{4}) = \frac{10}{3}$$

her bank account and spends \$70 every month out of her savings on groceries

Initial Amount ± Rate per	Function Rule	Evaluate
Y=800 ± 70 * 3X f: \$ left in savings ace X: months		How much money would she have left in her bank account after $\frac{7 \text{ months}}{7}$ $f(7) = 900 - 70(7)$ $f(7) = 4310$

3. U-haul charges \$20 a day plus \$0.35 per mile to rent a moving truck.

Initial Amount ± Rate per	Function Rule	Evaluate
y = 20 ⊕0.35 · m C: total cost m: miles	c(m)=20+0,35m	How much U-haul charge if you drove the truck for 50 miles and returned it after one day? C(50) = 20 + 0.35(5) C(50) = 87.50

4. The Titl-A-Whirl ride at the carnival takes 8 tickets

Function Rule	Evaluate
	How many tickets if Sue and her 3 friends want to ride?
TCA=8r	T(1) = 8(1)
3	TU) = 32
	+/\ 0-