Chapter 3, Quiz #2 Practice Lessons 3.5, 3.6, & 3.8	Name:		
	Date:	Hour:	
3.5 <i>I use equations, diagrams, tables, and graphs</i> 3.6 <i>I can find exact and approximate solutions of</i>	to understand real-life proble equations that contain decima	ms. ls.	
Solve the equation. Show all work. Round the rest	ult to the nearest hundredth.		
1) $7x - 8 = 17$		1)	
Solve the equation. Show all work. Round the rest	ult to the nearest hundredth.		
2) $-8.2x - 15.4 = 3.1(9.7 - 6.3x)$		2)	
 You have \$27.35 to spend on video games. The Write and solve an equation to determine the more 	e sales tax is 4%. ost the video games can cost.	3)	

4) Suppose you are growing two different varieties of tomato plants. The beefsteak tomato plant is 22½ inches tall and is growing at a rate of 1½ inches per week. The cherry tomato plant is 20 inches tall and is growing at the rate of 2 inches per week. In how many weeks will the two plants be the same height?

a) Write an equation that represents this situation.

b) Solve the equation and answer the question. Show your work.

3.8 I can use rates, ratios and percents to model and solve real-life problems.

 Find the unit rate. Show your work. \$2.59 for 10 apples 	1)
2) Find the average speed. Show your work.Hike 49 miles in 3 days	2)
3) On a recent test, 25 out of 80 students earned an A.What percent of the students earned an A? Show your work.	3)

4) The electric company provided the number of kilowatt hours, KWH, used over a 4-month time period in the table below.

Month	1	2	3	4
Number of KWH	640	610	580	480
Number of days	30	29	31	30

- a) Find the average number of kilowatt hours used per day for the 4-month time period. Show your work.
- b) Use your answer in part (a) to estimate the number of kilowatt hours used in 10 days. Show your work.