Unit 7: Ratios and Proportions Extra Practice 7.4	Name:
Exita Flactice 7.4	Hour:
1. Penny takes her laundry to the laundry r the clothes. Use the table below to answ	mat. The cost to do laundry is based on the total weight of ver the questions:

b. Write an equation for the relationship.

2.	24 cars enter the parking garage every 3 hours. The parking a	garage holds 160 cars. Assume, that
	this continues at a constant rate and no cars leave the garage.	Use this information to fill in the table.

c. How many pounds of clothes did Penny bring if her total was \$20?

d. How much would Penny have to pay if she brought in 36 pounds of

x (hours)	y (car)	a. What is constant of proportionality?
0		b. Write an equation for the relationship.
3		-
6		c. How long will it take before the garage is full?
9		d. How many cars will be in the garage after 15 hours?
12		

clothing?

12

16

20

24

\$6

\$8

\$10

\$12

7.4 I can use a table to determine if the relationship varies directly.

True or False.

3.	x	у	4.	x	у	5.	x	у	6.	x	у
	1	2		0	0		-2	-4		-3	9
	2	-4		3	1		-1	-2		-1	1
	3	6		6	2		0	0		0	0
	4	-8		9	3		1	2		1	1
	5	10		12	4		2	4		2	4

Find the constant of proportionality. Use the constant to write an equation in the form y = kx.

tats (x)	3	4	5	6	7
Whiskers (y)	18	24	30	36	42
Constant:		E	quation:		
Watermelon (x)	1	3	6	9	12

Constant:

Equation: