Name _____ Date _____

Quiz: Power Word Problems

1	Write an expression for the volume of a cube that has a 2p width, 4p length and 3p height.
2	6p and 7p are the height and width of rectangle A, and 5p and 2p are the length and width of rectangle B. Write the expression for rectangle A - rectangle B.
3	A rectangular swimming pool is twice as long as it is wide. A small concrete walkway surrounds the pool. The walkway is a constant 2 feet wide and has an area of 184 square feet. Find the dimensions of the pool.
4	The cost of renting a car is $36 per day plus $0.01 per mile. If a car is rented for d days and is driven m miles a day, represent the cost, C, in terms of d and m.
5	The cost of renting a car is $44 per day plus $0.03 per mile. If a car is rented for d days and is driven m miles a day, represent the cost, C, in terms of d and m.
6	Write an expression for the volume of a cube that has a 7p width, 11p length and 2p height.
7	A rectangular swimming pool is twice as long as it is wide. A small concrete walkway surrounds the pool. The walkway is a constant 3 feet wide and has an area of 108 square feet. Find the dimensions of the pool.
8	5p and 8p are the height and width of rectangle A, and 5p and 6p are the length and width of rectangle B. Write the expression for rectangle A - rectangle B.
9	Write an expression for the volume of a cube that has a 6p width, 5p length and 2p height.
10	The cost of renting a car is $47 per day plus $0.02 per mile. If a car is rented for d days and is driven m miles a day, represent the cost, C, in terms of d and m.

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%