Name: Date: Period:

	Situation	Defining your variable and Expression/Equation
1.	A washing machine repairman charges $25 for a house call and $40 per hour for parts and labor. If *n* is the number of hours for a repair job that requires a house call, write an algebraic expression for the total amount the repairman charges.	Let n = _____ Expression:
2.	The cost of a taxi ride is a flat fee of $2.50, plus $6 per mile. If a taxi ride is m miles, write an algebraic expression for the cost of the ride.	Let m = _____ Expression:
3.	Daisy made a $3,000 down payment on a car. The total cost of the car was $7,500. She made 36 equal monthly payments to pay for the car in full. Write and solve an equation to figure out her monthly payment.	Let x = _____ Equation:
4.	Belinda is saving to buy a digital camera that costs $490. So far, she has saved $175. She would like to buy the camera 3 weeks from now. Write and solve an equation to find the amount she will have to save each week to buy the camera.	Let x = _____ Equation:
5.	Speedy Boat Rental charges a $15 deposit fee plus $2 for each hour of use to rent a paddleboat. Write an expression that can be used to represent the total cost to rent the boat for h hours.	Let h = _____ Expression:
6.	The phone company charges a standard fee of $24.95 per month plus $0.07 per minute for long distance calls. Write and solve an equation that can be used to find the number of minutes used in December if the bill was $48.68.	Let x = _____ Equation:
7.	Susan's cell phone bill for the past month was $40.60. She pays $28.00 per month plus $0.30 per minute of talk time. Write an equation to figure out the number of cell minutes (x) she used.	Let x = _____ Equation:
8.	To make money, Zach mows lawns and charges $20 per lawn. His old lawn mower breaks down and he must buy a refurbished lawn mower for $150. Write an equation to find x, the number of lawns Zach must mow this summer to make a profit of $350.	Let x = _____ Equation:
9.	The parents at Lincoln High School are having a fund raiser to raise money for a new college scholarship fund. So far they have raised $1,500. Their goal is to raise $8,000. There are 5 more weeks for the fund raiser. Write and solve an equation to find the average amount of money they must raise each week to reach their goal.	Let x = _____ Equation:
10.	The senior class is sponsoring a dance. The cost of a disc jockey is $400 and the tickets sell for $2.00 each. How many tickets must they sell to make a profit of $500?	Let x = _____ Equation: