Name:	

Independent and Dependent Variables

Determine the dependent and independent variables in each scenario.

1.	The McClains paid a \$25 moving van rental fee, \$74 in gas, and \$0.70 per mile driven.
	Dependent variable (x):
	Independent variable (y):
	Equation:
2.	Mrs. Mata is emptying her 7,800-gallon pool. The pump she is using can drain 60 gallons per minute.
	Dependent variable (x):



Independent variable (y):

Preview

Please log in to download the printable version of this worksheet.

	Dependent variable (x):
	Independent variable (y):
	Equation:
5.	A car-washing fundraiser charges \$10 for every car. Setup and snacks for volunteers cost \$118.
	Dependent variable (x):
	Independent variable (y):
	Equation:
6.	Maximiliano charges \$75 to draw someone, plus \$35 for each extra person in the picture.
	Dependent variable (x):
	Independent variable (y):
	Equation:

ANSWER KEY

Independent and Dependent Variables

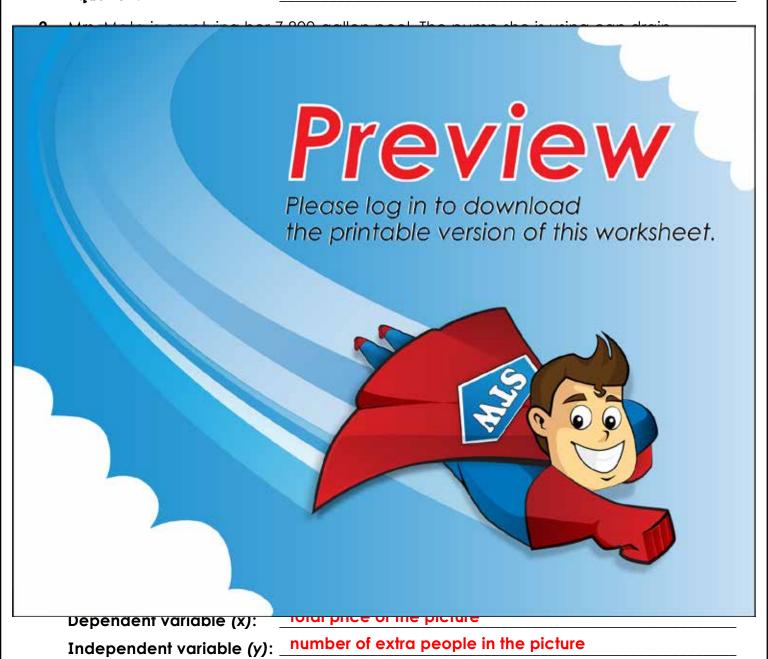
Determine the dependent and independent variables in each scenario.

1. The McClains paid a \$25 moving van rental fee, \$74 in gas, and \$0.70 per mile driven.

Dependent variable (x): total cost

Independent variable (y): number of miles driven

Equation: y = 25 + 74 + .70x or y = 99 + .70x



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y = 75 + 35x

Equation: