

# Writing Functions

Jill opened a bank account with the \$100 she received for her 14th birthday. To help save for a car, Jill decides to deposit \$10 of her allowance each week into the account.

\_\_\_\_\_ depends on \_\_\_\_\_.

Dependent Variable:

Independent Variable:

Write as a function. Be sure to use proper function notation.

How much money will Jill have after 23 weeks?

If Jill wants to buy a car that requires a \$1000 down payment, how many weeks will she need to save?

Bob is driving home from his vacation to see the Grand Canyon. When he stops to check his map, he notices that he is 320 miles from home. He calculates that he should be able to cover 60 miles of road each hour on his journey home.

\_\_\_\_\_ depends on \_\_\_\_\_.

Dependent Variable:

Independent Variable:

Write as a function. Be sure to use proper function notation.

How far from home will Bob be after 2.5 hours?

How long will it take for Bob to reach his house?

Marissa decides to offer a babysitting service to local families as a means to earn money to buy Christmas presents for her family. She decides to charge a flat fee of \$15 for babysitting plus \$4 per hour.

\_\_\_\_\_ depends on \_\_\_\_\_.

Dependent Variable:

Independent Variable:

Write as a function. Be sure to use proper function notation.

How much will Marissa make from a babysitting job that lasts 3 hours?

The Smith Family owes Marissa \$29. How long did Marissa spend babysitting their children?