PROBLEMS 1-2

Thalia is currently 104 cm tall, and the doctor tells her she can expect to grow at 2.2 cm per year for the foreseeable future. What is the function rule (equation) for this scenario?

$f(x) = $ _____

In the problem above, identify the linear function's parameters.

Independent variable: _____

Dependent variable: _____

Constant: _____

Coefficient: _____

PROBLEMS 3-6

The 2011 population of manatees in Florida was 5,067. The animal is thought to be experiencing annual exponential decay of 1.1%. What is the function rule for this scenario?

$f(x) = $ _____

In the problem above, identify the exponential function's parameters.

Independent variable: _____

Dependent variable: _____

Does problem 3 describe growth or decay? Why? Use a complete sentence.

_____

_____

_____

What is the growth or decay rate in problem 3?

Growth or decay rate: _____