

## PRE-AP ALGEBRA 2

For each of the situations **1** through **3** below:

- a)** State whether the correct model is linear, quadratic, or exponential.
- b)** Write the equation for the situation using the indicated variables.

- 1)** Bob, who has a good arm, throws a baseball upward from ground level with an initial upward velocity of 70 ft/sec.

$y$   $\equiv$  height of the baseball in feet

$t$   $\equiv$  time in seconds

- 2)** Frank deposits \$400 into a savings account which earns 5% APR.

$m$   $\equiv$  amount of money in the bank

$y$   $\equiv$  time in years

## 1A.8 CLASSWORK

- 3)** For babysitting, Suzie makes \$12.50 the first hour and \$10.00 per hour for subsequent hours.

$e$   $\equiv$  money earned

$h$   $\equiv$  hours