Mathematics 122 Quiz #8   Name: _____

Let $P(t)$ be the exponential function

$$P(t) = 100(1.3)^t$$

1. What is the value of $P(50)$? $P(50) =$ _____

2. For what value of t has $P(t)$ doubled its initial value of 100?

                                                    $t =$ _____