HN Progress Check: Exponentials   Name:_____ Pd: _____

Lindsay went to her doctor to get a new prescription for toenail fungus. Her doctor talked to her about the importance of taking her medicine regularly. When explaining this new medication to Lindsay, he used the following equation where t represents time in hours:

$$M(t) = 60 \left(\frac{1}{2}\right)^{\frac{t}{12}}$$

<u>Explain what each part of the equation would represent.</u>

60 =

½ =

t =

12 =

M(t) =