32) Write the situation that could be modeled by the following graph.



**Write the equation for each piecewise function.**

|  |  |
| --- | --- |
| 33)  | 34)  |

**State the initial value, growth/decay factor, and growth/decay rate of each.**

|  |  |
| --- | --- |
| 35) $y=1.32^{x}$ | 36) $y=12∙0.44^{x}$ |
| 37) $y=63∙2.1^{x}$ | 38) $y=1.08^{3x}$ |
| 39) $y=18∙0.71^{2x}$ | 40) $y=131∙0.87^{4x}$ |

**Extra Credit**

|  |  |
| --- | --- |
|  | 6)  |
|  |  7)  |
|  |  8) |
|  |  9) |
|  |  10) |

\*You must have explanations to receive extra credit\*