## Units

## Quiz: Units

Let $x(t)$ be the temperature of my house in degrees Celsius with $t$ in hours. Suppose it satisfies the ODE:

$$
\frac{d x}{d t}+k x=k T_{e}(t) .
$$

1. What are the units on $k$ ?
2. What are the units on $T_{e}$ ?

Think about your answer and then look at the choices.

MIT OpenCourseWare
http://ocw.mit.edu

### 18.03SC Differential Equations] [

Fall 2011 [

For information about citing these materials or our Terms of Use, visit: http://ocw.mit.edu/terms.

