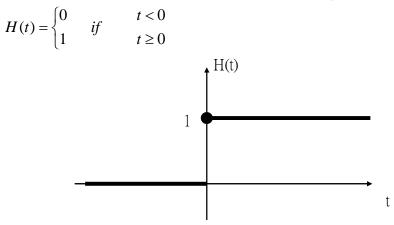
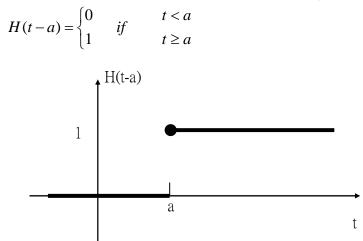
Heaviside Unit Step Function

The Heaviside Unit Step Function is defined by



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We can use H(t-a) to turn a given function g off until time t = a, at which time it is switched on.

$$H(t-a)g(t) = \begin{cases} 0 & \text{if } t < a \\ g(t) & t \ge a \end{cases}$$

A pulse is a function of the form
$$H(t-a) - H(t-b)$$
 in which $a > b$

