

<pre>x(a, b) { body of function x }</pre>	<pre>x: code for body of x that assumes register 1 contains parameter <i>a</i> and register 2 contains <i>b</i> ret</pre>
<pre>x(-4, 17); other statement; x(71, 27); next statement</pre>	<pre>load -4 into register 1 load 17 into register 2 jsr x code for other statement load 71 into register 1 load 27 into register 2 jsr x code for next statement</pre>
(a)	(b)

Figure 8.6 (a) A declaration for parameterized procedure *x* and two invocations in a high-level language, and (b) the assembly language equivalent for a processor that passes arguments in registers.