\( x(a, b) \) {
    \text{body of function } x
}\)

\[ x(-4, 17); \]
\text{other statement;}
\[ x(71, 27); \]
\text{next statement}

\( x: \) code for body of \( x \) that assumes

\text{register 1 contains parameter } a
\text{and register 2 contains } b

\text{ret}

\[ \text{load -4 into register 1} \]
\[ \text{load 17 into register 2} \]
\[ \text{jsr } x \]
\[ \text{code for other statement} \]
\[ \text{load 71 into register 1} \]
\[ \text{load 27 into register 2} \]
\[ \text{jsr } x \]
\[ \text{code for next statement} \]

\((a)\) \hspace{1cm} (b)\)

\textbf{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.