A. Diagram the stack for eval, showing the values that it stores on the stack prior to calling process.
See figure 1.

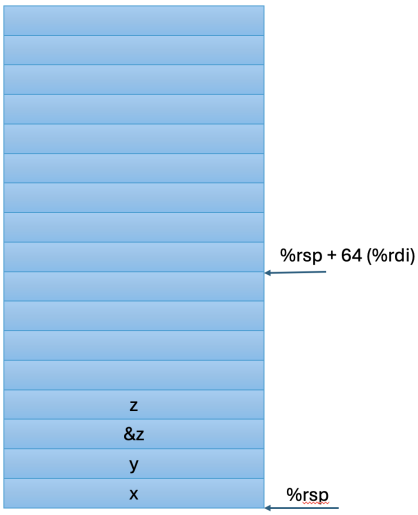

Figure 1: Stack frame for eval

B. What value does eval pass in its call to process?
$\%rsp + 64$

C. How does the code for process access the elements of structure argument s?
by use %rsp and offset.

D. How does the code for process set te fields of result structure r?
By use parameter passed from eval.

E. Complete your diagram of the stack frame for eval, showing how eval access the elements of structure r following the return from process.
See figure 2. The function eval access the elements of structure r by %rsp and offset.

F. What general principles can you discern about how structure values are passed as function arguments and how they are returned as function results?
The space for the structure is allocated by the caller, and the address is passed as parameter. The result is accessed by caller using %rsp and offset.

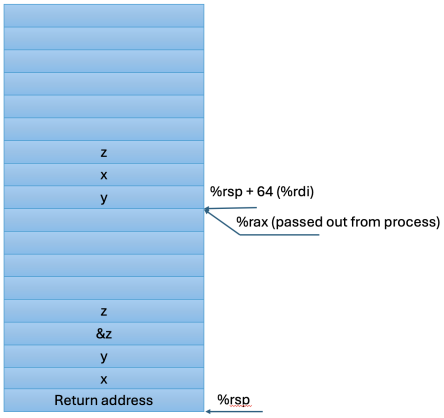

Figure 2: Stack after call process