

NAME: _____ Score _____/10

Please **print** your name**Use correct function notation.**For this quiz, consider the function f , g , and abs whose rules are:

$$f(x) = 3x - 2 \quad g(x) = x^2 \quad \text{abs}(x) = |x|$$

and the function h whose rule is not known to you.

1. What notation is used to designate the range element associated with 5 by the function h ? _____
2. Compute the range element associated with 7 by the function f . **Show your work.**
3. Compute the range element associated with 7 by the function $f+g$. **Show your work.**
4. Compute the range element associated with 7 by the function $f \circ g$. **Show your work.**
5. Compute the range element associated with -4 by the function $\text{abs} \circ f$. **Show your work.**