Instructions: You may not use notes, books or calculators on this assessment. No partial credit. Don't simplify answers. Successful completion of this assessment is 8 of 10 completely correct. Good Luck!

1. Find $f\left[(x)\right.$ if $f(x)=x^{2}+\sqrt[3]{x}$
2. Find $\frac{d y}{d x}$ if $y=2 \sin x$
3. Find $h \square t)$ for $h(t)=\sin t \square e^{t}$
4. Find $\frac{d z}{d w}$ if $z=\ln (x)+\tan x$
5. Find $h \square(t)$ for $h(t)=\sin \left(x^{2}+\sqrt[3]{x}\right)$.
6. Find the derivative with respect to $t$ of $g(t)=\left(t^{2}+\sqrt[3]{x}\right)^{\square 2}$
7. Find $\frac{d T}{d x}$ if $T=e^{x}\left(x^{2}+\sqrt[3]{x}\right)$
8. Find $r \square y)$ if $r(y)=\ln (2 y \square 4)$
9. Find the derivative with respect to w of $f(w)=2^{w} \square w^{2}$
10. Find $\frac{d y}{d x}$ if $y=\sqrt{x^{2} \square a^{2}}$, where $a$ is a constant.
