(10 points)   **9.** $h(\theta) = 5\cos 4\theta - 8\tan 3\theta$

$h'(\theta) =$

(10 points)   **10.** $f(t) = \sqrt[3]{8 - 5t^3}$

$f'(t) =$

(10 points)   **11.** $y = (x - 8x^4)^{12}$

$y' =$

(10 points)   **12.** $g(s) = \sqrt{s + 7\tan \pi s}$

$g'(s) =$

(10 points) **13.** $F(y) = \dfrac{2}{(3+2y^3)^8}$

$F'(y) =$

(10 points) **14.** $z = \cos\left(\dfrac{2}{\sqrt[3]{r}}\right)$

$z' =$

(10 points) **15.** $h(u) = (1-5u)^3(7+3u)^6$

$h'(u) =$

(10 points) **16.** $G(w) = 3\sec(w/5)$

$G'(w) =$

(10 points)   **17.** $T(r) = \dfrac{2r}{\sqrt{1 + r^5}}$

$T'(r) =$

(10 points)   **18.** $f(z) = \sqrt{\dfrac{5 - z}{5 + 3z}}$

$f'(z) =$

(10 points)   **19.** $y = (2 + \sin^3 x)^4$

$y' =$

(10 points)   **20.** $B(t) = \sqrt{7 + \cos(1 + t^5)}$

$B'(t) =$