1. $f(t) = \tan^5(t^3)$

$$\frac{d}{dt}f(t) =$$

2. $L(x) = \dfrac{x}{\pi + 4} - \dfrac{\pi}{x + 4} + \dfrac{\pi}{\pi + 4}.$

$L'(x) =$

3. $g(z) = z \cdot f(z^3 + 1)$

$f(9) = -2;$ $\qquad\qquad$ $f'(9) = 3;$
$f(12) = 1;$ $\qquad\qquad$ $f'(12) = -5.$

$g'(2) =$

4. $y(\theta) = \sec(\pi + \cos(2\pi\theta))$.

$$\frac{dy}{d\theta} =$$

5. $R(y) = \dfrac{\sqrt[3]{2y+1}}{y^3+1}$

$$\frac{dR}{dy} =$$