79 $f(g(x))'$ at $x=6$

$= f'(g(6)) \cdot g'(6)$

$= f'(6) \cdot 3$

$= 4.3 = 12$

(10) $e^{f(x)}$ $\quad x = 4$

$e^{f(x)} \cdot f'(x)$

$e^{f(4)} \cdot f'(4) = e^{0} \cdot 7 = 7$

(f) $g(\sqrt{x})$ at $x = 16$

$$g'(\sqrt{x}) \cdot \frac{1}{2\sqrt{x}}$$

$$g'(4) \cdot \frac{1}{8} = \frac{1}{16}$$

(82) $f(2x + g(x))$ $x = 1$

$f'(2x + g(x)) \cdot (2 + g'(x))$

$f'(2 + g(1)) \cdot (2 + g'(1))$

$f'(6) \cdot (2 + 5)$

$4 \cdot 7$

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(65) $y = \cos(te^{-2t})$

$$\frac{dy}{dt} = -\sin(te^{-2t}) \cdot (1e^{-2t} + -2te^{-2t})$$