$\qquad$

Find the derivatives using quotient rule:

$$
y=\frac{2 x^{3}}{4-x} \quad y=\frac{x}{x^{2}+1}
$$

$$
y=\frac{4 \sin x}{2 x+\cos }
$$

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$$
y=\frac{1+\ln x}{x^{2}-\ln x}
$$


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$$
y=\frac{\sin x}{\tan x}
$$

$$
y=\frac{\sin 18 x}{6 x}
$$

$\qquad$
$\frac{d y}{d x}=\frac{4 x^{2}(6-x)}{(4-x)^{2}}$
$\frac{d y}{d x}=\frac{1-x^{2}}{\left(x^{2}+1\right)^{2}}$

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\frac{d y}{d x}=\frac{\left(\frac{1}{x}\right)\left(x^{2}-\right.}{}
$$

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$\frac{d y}{d x}=-\sin x$
$\frac{d y}{d x}=\frac{18 x \cos 18 x-\sin 18 x}{6 x^{2}}$

