Practice Quiz Derivatives of Trig Functions and Chain Rule

Find the derivative of each function. Be sure to indicate the derivative in proper notation. Do only the most obvious simplifications.

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$1. \ y = \frac{3}{7} \cos x$	2. $y = \csc 5x$	$3. y = -3\sin^2 x$
7		
4. $y = \tan 7x^2$	5. $y = 2x \cot x$	r
4. $y = \tan 7x$	$5. y = 2x \cot x$	$6. \ y = \frac{x}{2\sin x}$
		$2\sin x$
7 1	8. $y = \cos^3 x^3$	9. $y = \cos(\sin x)$
7. $y = \tan 8x + \cos \frac{1}{8}x$		
° °		
2(2)	2	2
$10. \ y = \cos^2(3x)\sin(4x)$	11. $y = \sin \sqrt[3]{3x}$	12. $y = \sqrt[3]{\sin 3x}$

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