

Advanced Derivative Rules

4.3A – Chain Rule & Trigonometry

#1) $\frac{d}{dx}[\cos^3(x)]$

#5) $\frac{d}{dx}[\csc^3(x)]$

#2) $\frac{d}{dx}[\tan^4(x)]$

#6) $\frac{d}{dx}[\sec^4(x)]$

#3) $\frac{d}{dx}[\cos(x^3)]$

#7) $\frac{d}{dx}[\sin(x^3)]$

#4) $\frac{d}{dx}[\cot(x^5)]$

#8) $\frac{d}{dx}[\cos(8x)]$