**Derivative Rules:**

**Definition**

**Interpretation**

**Constant Rule:**

**Power Rule:**

**Summation Rule:**

**Product Rule:**

**Quotient Rule:**

**Chain Rule:**

**Special Derivatives**

**Derivative Worksheet**

1. 
2. 
3. 
4. 
5. 
6. $f\left(x\right)=cot(x)$
7. 
8. 
9. 
10. 
11. 
12. $f\left(x\right)=tan⁡(x^{3})$
13. 
14. 
15. 
16. 
17. 
18. 
19. 
20. 
21. , find 
22. , find 
23. $f\left(x\right)=sin⁡(x)$, find $f^{\left(24\right)}(x)$
24. $f\left(x\right)=x sin⁡(x)$, find $f^{'''}(x)$