Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **Computing Derivatives**

 Take the derivatives of the following functions

|  |  |
| --- | --- |
| 1. $\frac{d}{dx}$ cos(x))x2
 | 1. $\frac{d}{dx} $x3
 |
| 1. $\frac{d}{dx}$ 2x5/sin(x)
 | 1. $\frac{d}{dx} $3x-2
 |
| 1. $\frac{d}{dx } $x-1/2
 | 1. $\frac{d}{dx} $cos(x)
 |
| 1. $\frac{d}{dx} $sin(x)
 | 1. $\frac{d}{dx} $tan(x)
 |
| 1. $\frac{d}{dx}$ (x2+2)5
 | 1. $\frac{d}{dx} $cos(3x2)
 |

 Trig Derivatives to Learn:

|  |  |
| --- | --- |
| sin’x | cosx |
| cos’x | -sinx |
| tan’x | sec2x |
| csc’x | -cscxcotx |
| sec’x | secxtanx |
| cot’x | -csc2x |