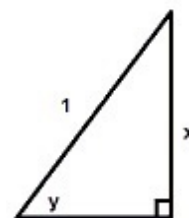


1. State

- the symbol for the inverse of $f(x)$.
- the inverse of x squared
- the inverse of raising to a power
- the inverse of taking a log
- the meaning of square root of 25
- the meaning of $\log(100)$
- the symbol(s) for "the reciprocal of m "
- the symbol(s) for "the reciprocal of the derivative of $f(x)$ "

2. Think: Oscar Had A Heap of Apples

- state the $\sin(x)$
- using the triangle given, what is $\sin(y)$?
- what is the length of the missing side?
- using the triangle given, what is $\cos(y)$?
- using the triangle given, what is $\tan(y)$?



3. State:

- $Dx(\sin(x))$
- $Dx(\cos(x))$
- $Dx(\tan(x))$
- $Dx(\csc(x))$
- $Dx(\sec(x))$
- $Dx(\cot(x))$

4. Write in symbols:

- The derivative of an arc function $g(x)$ at (b, a) is the reciprocal of the derivative of the function $f(x)$ at (a, b) .
- The derivative of a function $f(x)$ at (a, b) is the reciprocal of the derivative of the arc function $g(x)$ at (b, a) .

Find this page at:

<http://www.mathnstuff.com/math/calc/m131Dinverse.pdf>

The Sketchpad is at:

<http://www.mathnstuff.com/math/gsp/sumr19/su19newgsp/inverse.gsp>

