C12 - 6.1 - Ratios $cscx\ secx\ cotx$ HW

Simplify

$sinxsecx$ $cosxcosx$ $tanxcotx$ $cscxcscx$

$sinxsinx$ $cosxsecx$ $tanxcscx$ $secxsecx$

$sinxcosx$ $cosxcscx$ $tanxtanx$ $cotxssecx$

$sinxcotx$ $cosxtanx$ $cotxcotx$

$sinxcscx$ $cosxsinx$ $tanxsinxcotx$

Simplify to $sinx$ and $cosx$

$sinxtanx$ $cosxcotx$ $tanxsecx$ $cscxcotx$ $cscxsecx$

C12 - 6.1 - Ratios $cscx\ secx\ cotx$ Notes

Simplify

$\sin^2 xcscx$

$\csc^2 x\ sinx$

$cscxcos^2 x$

$\sec^2 xcosx$

$\sin^2 xcsc^2 x$

$\sin^2 xcot^2 x$

$\cos^2 xsec^2 x$

$\cos^2 xtan^2 x$

$\csc^2 xsec^2 x$

$\tan^2 xcot^2 x$

$\csc^2 xcot^2 x$

$\sec^2 xtan^2 x$

C12 - 6.1 - Ratios $cscx\ secx\ cotx$ HW

Simplify

$\frac{sinx}{sinx}$ $\frac{sinx}{cosx}$ $\frac{1}{sinx}$ $\frac{cscx}{cscx}$ $\frac{1}{tanx}$

$\frac{cotx}{cotx}$ $\frac{1}{cosx}$ $\frac{1}{cotx}$ $\frac{sinx}{cotx}$ $\frac{secx}{secx}$

$\frac{cosx}{cosx}$ $\frac{1}{cscx}$ $\frac{tanx}{tanx}$ $\frac{cosx}{sinx}$ $\frac{1}{secx}$

$\frac{sinx}{tanx}$ $\frac{cosx}{cotx}$ $\frac{cosx}{tanx}$ $\frac{cosx}{cotx}$

$\frac{tanx}{sinx}$ $\frac{tanx}{cosx}$ $\frac{secx}{cosx}$ $\frac{cscx}{cosx}$ $\frac{cotx}{cosx}$

Try it in your head!

$\frac{cosx}{secx}$ $\frac{cosx}{cscx}$ $\frac{tanx}{cscx}$ $\frac{secx}{tanx}$ $\frac{cotx}{secx}$

$\frac{cscx}{tanx}$ $\frac{secx}{cotx}$ $\frac{cscx}{secx}$ $\frac{cscx}{cotx}$

C12 - 6.1 - Ratios $cscx\ secx\ cotx$ HW

Simplify

$\frac{sinxcotx}{\sec x}$

$\frac{cosxtanx}{secx}$

$\frac{cscxtanx}{cscx}$

$\frac{cotxsec^2x}{\csc^2 x}$

$\frac{tanxcsc^2x}{\sec^2 x}$

$\frac{cosxsec^2x}{\sec^2 x}$

$\frac{sinxcsc^2x}{\csc^2 x}$