122 § 2.1 I Mills

#s 1-13, 15-21, 23-26

#s 1-6 fill in the blank.

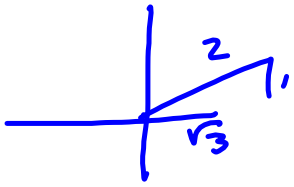
(1) $\frac{\sin u}{\cos u} =$ $\tan u$

(2) $\frac{1}{\csc u} =$ $\sin u$

⋮

#s 7-14 Use the given values to find all six trig values

(7) Given: $\sin x = \frac{1}{2}$, $\cos x = \frac{\sqrt{3}}{2}$ ⇒



$\tan x = \frac{1}{\sqrt{3}}$ $\cot x = \frac{\sqrt{3}}{1} = \sqrt{3}$

$\csc x = 2$, $\sec x = \frac{2}{\sqrt{3}}$

⋮

#s 15-20 match the trig expression w/ one of the following:

(a) $\csc x$ (b) -1 (c) 1 (d) $\sin x \tan x$

(e) $\sec^2 x$ (f) $\sec^2 x + \tan^2 x$

(15) $\sec x \cos x = \frac{1}{\cos x} \cos x = 1$ ⇒ (c)