Find exact values of the six trigonometric functions of each angle. Rationalize denominators when applicable.

Sin 315 =
$$\frac{1}{\mu} = \frac{1}{\sqrt{2}}$$

(a) 315 = $\frac{1}{\mu} = \frac{1}{\sqrt{2}}$

Sin 315 =
$$\frac{1}{12}$$
 (AC = $\frac{1}{6}$ = $\frac{1}{12}$ Sec = $\frac{1}{4}$ = $\frac{1}{12}$ Sec = $\frac{1}{4}$ = $\frac{1}{12}$ = $\frac{1}{12}$

$$C_{0}A : 30S^{\circ} = \frac{A}{H} = \frac{-1}{\sqrt{2}} S(c) : \frac{1}{30S^{\circ}} = \frac{H}{A} = \frac{-1}{-1} : -\sqrt{2}$$
 $Tan : 30S^{\circ} = \frac{O}{A} = \frac{-1}{-1} : | (G+130S^{\circ}) = \frac{A}{O} = \frac{-1}{-1} : |$

$$(ab(-Sio') = A = -\sqrt{3}$$



Jaloe, WB 90° 7 (0036° + 60060°

$$0 \neq \frac{1+\sqrt{3}}{2}$$

$$Sin 90^{\circ}$$
 / $Sin 30^{\circ} + Sin 60^{\circ}$
 $Sin 30 = \frac{1}{4} = \frac{1}{2}$
 $Sin 60 = \frac{1}{4} = \frac{1}{2}$

$$2\left(\frac{53}{2}\right) = 2\left(\frac{3}{4}\right) = 8$$

$$cob\theta = \frac{\sqrt{3}}{2} = \frac{\alpha}{n} = cos 30$$
 Sec $\theta = \frac{2}{\sqrt{3}}$

$$Sin \emptyset = \frac{1}{2}$$

Sin
$$\emptyset = \frac{1}{z}$$

Cot $\emptyset = \frac{7}{1} = \frac{2}{3}$

tan $\emptyset = \frac{1}{73}$

