$\sec x = 2$
$-180^\circ \le x \le 180^\circ$

$x = -30^\circ, -150^\circ$

$\operatorname{cosec} x = -2$
$-180^\circ \le x \le 180^\circ$

$\cot x = -\frac{1}{\sqrt{3}}$
$0^\circ \le x \le 360^\circ$

$x = 120^\circ, 300^\circ$

$\operatorname{cosec} x = \frac{5}{4}$. Given that x is an obtuse angle, $\cos x =$

$\sec x = -2$
$0^\circ \le x \le 360^\circ$

$x = 120^\circ, 240^\circ$

$\cot x = \frac{1}{\sqrt{3}}$
$0^\circ \le x \le 360^\circ$

$\operatorname{cosec} x = -2$
$0^\circ \le x \le 360^\circ$

$x = 210^\circ, 330^\circ$

$\operatorname{cosec} x = -\frac{2}{\sqrt{3}}$
$-180^\circ \le x \le 180^\circ$

$x = -60^\circ, -120^\circ$

$\cot x = -\frac{1}{\sqrt{3}}$
$-180^\circ \le x \le 180^\circ$

$x = -60^\circ, 120^\circ$

$\sec x = \frac{5}{3}$. Given that x is a reflex angle, $\tan x =$

$\frac{\sqrt{3}}{4}$

$\sec 2x = -2$
$0^\circ \le x \le 360^\circ$

$x = \pm 60^\circ$

$\cot 2x = -\frac{1}{\sqrt{3}}$
$0^\circ \le x \le 360^\circ$

$x = 60^\circ, 150^\circ, 240^\circ, 330^\circ$

$\operatorname{cosec} 2x = -2$
$-180^\circ \le x \le 180^\circ$

$x = \pm 120^\circ$

$\sec 2x = 2$
$0^\circ \le x \le 360^\circ$

$x = 30^\circ, 150^\circ$

$\cot 2x = 1$
$0^\circ \le x \le 360^\circ$

$-\frac{4}{3}$

$\sec 2x = 2$
$0^\circ \le x \le 360^\circ$

$x = 15^\circ, 75^\circ, 195^\circ, 255^\circ$

$\operatorname{cosec} 2x = -2$
$0^\circ \le x \le 360^\circ$

$x = 105^\circ, 165^\circ, 285^\circ, 345^\circ$

$\sec x = -\frac{5}{4}$. Given that x is an obtuse angle, $\sin x =$

$\frac{3}{5}$

$\operatorname{cosec} x = 2$
$0^\circ \le x \le 360^\circ$

$x = 30^\circ, 150^\circ$

$\sec x = 2$
$0^\circ \le x \le 360^\circ$

$x = 60^\circ, 240^\circ$

$\cot x = \frac{1}{\sqrt{3}}$
$0^\circ \le x \le 360^\circ$

$x = 210^\circ, 330^\circ$

$\operatorname{cosec} x = \frac{5}{4}$. Given that x is an obtuse angle, $\cos x =$

$x = 270^\circ$

$\operatorname{cosec} x = -1$
$0^\circ \le x \le 360^\circ$

$\operatorname{cosec} x = -1$
$-180^\circ \le x \le 180^\circ$

$x = -90^\circ$

$\cot x = -1$
$-180^\circ \le x \le 180^\circ$

$\sec x = -1$
$-180^\circ \le x \le 180^\circ$

$x = 0^\circ, 180^\circ, 360^\circ$

$\sin x = 0$
$0^\circ \le x \le 360^\circ$

$\cos x = 0$
$0^\circ \le x \le 360^\circ$

$x = 90^\circ, 270^\circ$

$x = 135^\circ, -45^\circ$

$x = \pm 120^\circ$

$\sec x = 2$
$-180^\circ \le x \le 180^\circ$

$x = -60^\circ, -120^\circ$

$x = \pm 180^\circ$