

1.  $2 \operatorname{sen} x - 1 < 0$
2.  $\cos x > \frac{\sqrt{2}}{2}$
3.  $\operatorname{tg} x > -\sqrt{3}$
4.  $\operatorname{tg} x < \frac{\sqrt{3}}{3}$
5.  $\operatorname{ctg} x < 1$
6.  $2 \cos \left( x - \frac{\pi}{3} \right) - 1 < 0$
7.  $2 \cos \left( 2x - \frac{\pi}{4} \right) - \sqrt{2} < 0$
8.  $\operatorname{ctg} \left( x + \frac{\pi}{3} \right) > 0$
9.  $2 \cos^2 x + \cos x > 0$
10.  $\cos^2 x + 2 \cos x < 0$
11.  $\operatorname{tg}^2 x - 3 < 0$
12.  $\operatorname{tg}^2 x - \operatorname{ctg}^2 x < 0$
13.  $2 \operatorname{sen}^2 x - \operatorname{sen} x - 1 < 0$
14.  $\operatorname{tg}^2 x - (1 + \sqrt{3}) \operatorname{tg} x + \sqrt{3} > 0$
15.  $2 \cos^2 x + \cos x - 1 > 0$
16.  $\operatorname{ctg}^2 x + (1 + \sqrt{3}) \operatorname{ctg} x + \sqrt{3} < 0$
17.  $2 \operatorname{sen}^2 x + 4 \cos^2 x > 5 \cos x$
18.  $\cos x + \sqrt{3} \operatorname{sen} x - \sqrt{3} > 0$
19.  $\operatorname{sen} x + \cos x + 1 < 0$
20.  $\cos x + (\sqrt{2} - 1) \operatorname{sen} x + 1 < 0$
21.  $\sqrt{3} \operatorname{sen} 2x - \cos 2x \geq 0$
22.  $\operatorname{sen}^2 x - \cos^2 x > 0$
23.  $\cos^2 x - 2 \sqrt{3} \cos x \operatorname{sen} x - \operatorname{sen}^2 x > 0$
24.  $\operatorname{sen}^2 x + \operatorname{sen} x \cos x < 0$
25.  $6 \operatorname{sen}^2 x - 2 \sqrt{3} \operatorname{sen} x \cos x < 3$
26.  $\operatorname{sen}^4 x - \cos^4 x < 0$