

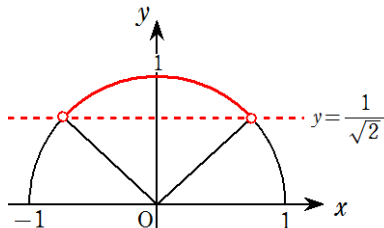
3.3. 三角比を含む不等式

- (1) $45^\circ < x < 135^\circ$ (2) $150^\circ \leq x \leq 180^\circ$ (3) $60^\circ < x < 90^\circ$
 (4) $0^\circ \leq x < 30^\circ, 150^\circ < x \leq 180^\circ$ (5) $0^\circ \leq x < 145^\circ$ (6) $0^\circ \leq x \leq 45^\circ, 90^\circ < x \leq 180^\circ$

次の不等式を解け。ただし、 $0^\circ \leq x \leq 180^\circ$ とする。

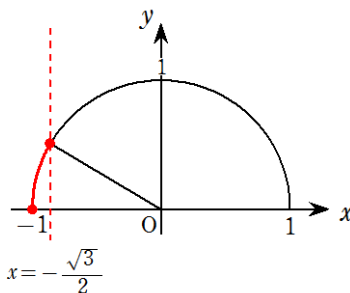
(1) $\sin x > \frac{1}{\sqrt{2}}$

$45^\circ < x < 135^\circ$



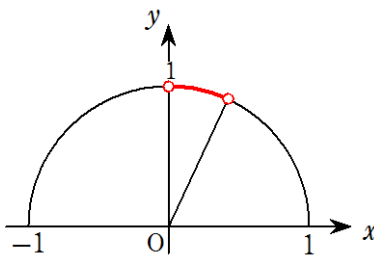
(2) $\cos x \leq -\frac{\sqrt{3}}{2}$

$150^\circ \leq x \leq 180^\circ$



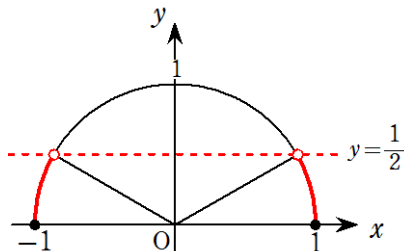
(3) $\tan x > \sqrt{3}$

$60^\circ < x < 90^\circ$



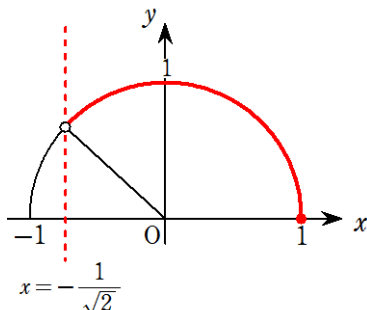
(4) $\sin x < \frac{1}{2}$

$0^\circ \leq x < 30^\circ, 150^\circ < x \leq 180^\circ$



(5) $\cos x > -\frac{1}{\sqrt{2}}$

$0^\circ \leq x < 145^\circ$



(6) $\tan x \leq 1$

$0^\circ \leq x \leq 45^\circ, 90^\circ < x \leq 180^\circ$

