

Vārds: _____

Trigonometriskais vienības riņķis!

S.R. Protu pāriet no grādiem uz radiāniem!

1. uzdevums. Pārveido dotos leņķa lielumus uz radiāniem!

a) $345^\circ = \frac{\pi}{\quad}$

b) $150^\circ = \frac{\pi}{\quad}$

c) $210^\circ = \frac{\pi}{\quad}$

d) $315^\circ = \frac{\pi}{\quad}$

e) $40^\circ = \frac{\pi}{\quad}$

f) $300^\circ = \frac{\pi}{\quad}$

S.R. Protu pāriet no radiāniem uz grādiem!

2. uzdevums. Pārveido dotos leņķa lielumus uz grādiem!

a) $\frac{\pi}{18}$

b) $-\frac{25\pi}{12}$

c) $\frac{35\pi}{18}$

d) $\frac{41\pi}{36}$

e) $-\frac{3\pi}{2}$

f) $\frac{107\pi}{36}$

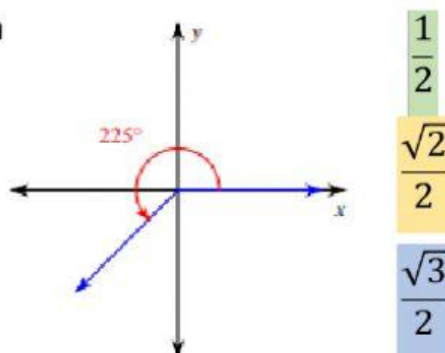
g) $\frac{\pi}{3}$

h) $-\frac{17\pi}{9}$

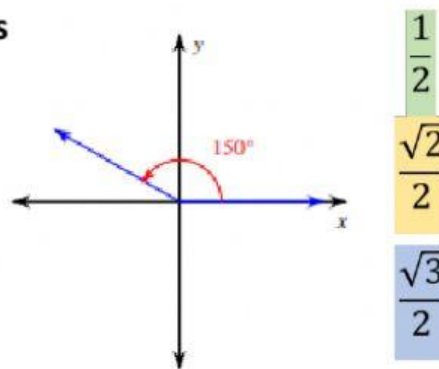
S.R. Protu noteikt leņķa vērtību no trigonometriskā vienības riņķa!

3. uzdevums. Atzīmē, kāda vērtība ir dotajam leņķim!

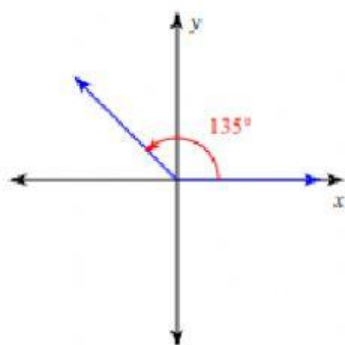
sin



cos



sin

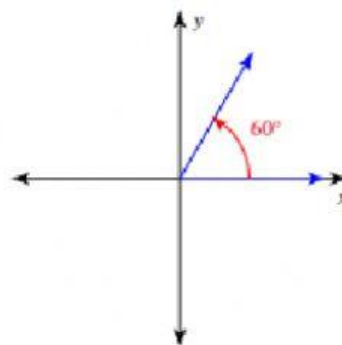


$$\frac{1}{2}$$

$$\frac{\sqrt{2}}{2}$$

$$\frac{\sqrt{3}}{2}$$

cos

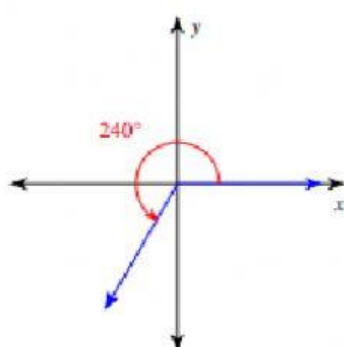


$$\frac{1}{2}$$

$$\frac{\sqrt{2}}{2}$$

$$\frac{\sqrt{3}}{2}$$

cos

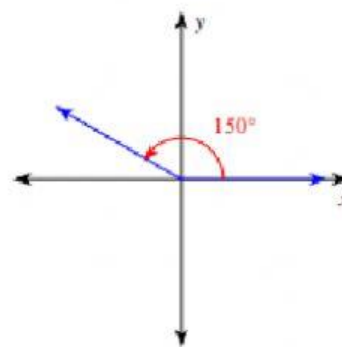


$$\frac{1}{2}$$

$$\frac{\sqrt{2}}{2}$$

$$\frac{\sqrt{3}}{2}$$

sin



$$\frac{1}{2}$$

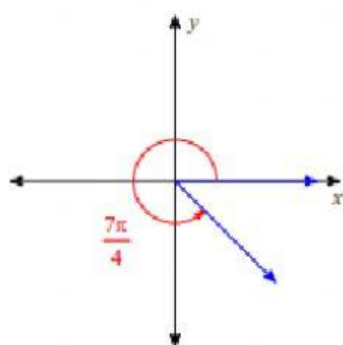
$$\frac{\sqrt{2}}{2}$$

$$\frac{\sqrt{3}}{2}$$

S.R. Protu pāriet no radiāniem uz grādiem un noteikt redzamā leņķa vērtību!

4.uzdevums. Nosaki leņķa vērtību!

sin

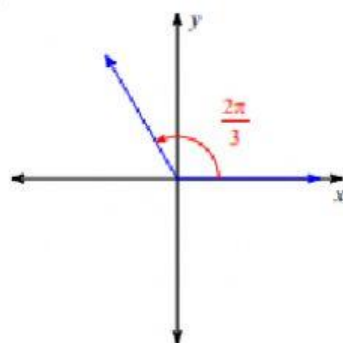


$$\frac{1}{2}$$

$$\frac{\sqrt{2}}{2}$$

$$\frac{\sqrt{3}}{2}$$

cos

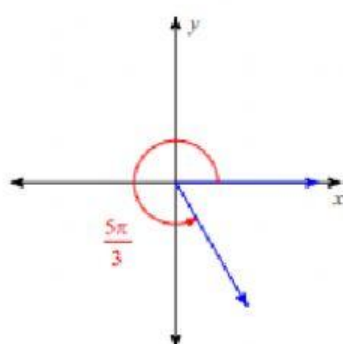


$$\frac{1}{2}$$

$$\frac{\sqrt{2}}{2}$$

$$\frac{\sqrt{3}}{2}$$

cos

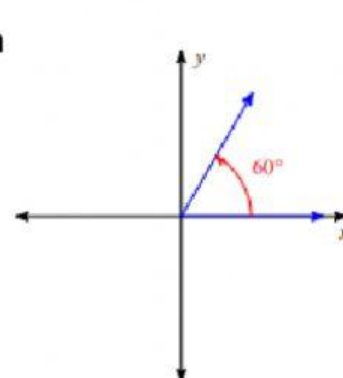


$$\frac{1}{2}$$

$$\frac{\sqrt{2}}{2}$$

$$\frac{\sqrt{3}}{2}$$

sin



$$\frac{1}{2}$$

$$\frac{\sqrt{2}}{2}$$

$$\frac{\sqrt{3}}{2}$$