



KURS TRYGONOMETRIA

LEKCJA 9 dla poziomu ROZSZERZONEGO

Wykresy funkcji trygonometrycznych
i ich przekształcenia

Odpowiedzi do zadania domowego

Część 1: TEST

- | | |
|------|-------|
| 1) a | 6) b |
| 2) a | 7) c |
| 3) c | 8) d |
| 4) a | 9) b |
| 5) c | 10) a |

ODPOWIEDZI DO ZADAŃ

Zad. 1

- a) $x = \frac{\pi}{3} + 2k\pi \vee x = \frac{2}{3}\pi + 2k\pi, k \in \mathbb{Z}$
- b) $x = \frac{7}{6}\pi + 2k\pi \vee x = \frac{11}{6}\pi + 2k\pi, k \in \mathbb{Z}$
- c) $x = \frac{\pi}{2} + 2k\pi, k \in \mathbb{Z}$

Zad. 2

- a) $x = \frac{\pi}{4} + 2k\pi \vee x = -\frac{\pi}{4} + 2k\pi, k \in \mathbb{Z}$
- b) $x = \frac{4}{3}\pi + 2k\pi \vee x = -\frac{4}{3}\pi + 2k\pi, k \in \mathbb{Z}$
- c) $x = 2k\pi, k \in \mathbb{Z}$

Zad. 3

- a) $x = \frac{\pi}{6} + k\pi, k \in \mathbb{Z}$
- b) $x = -\frac{\pi}{4} + k\pi, k \in \mathbb{Z}$

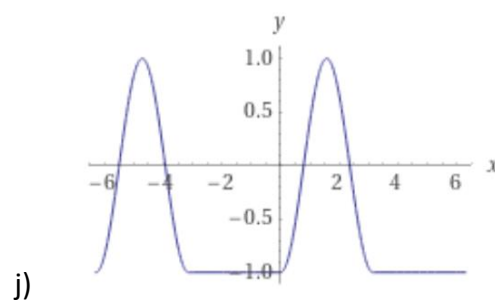
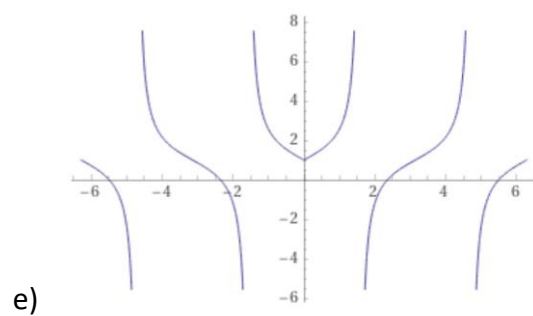
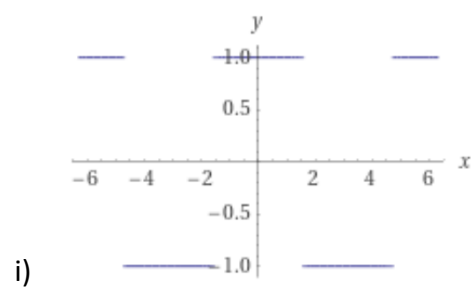
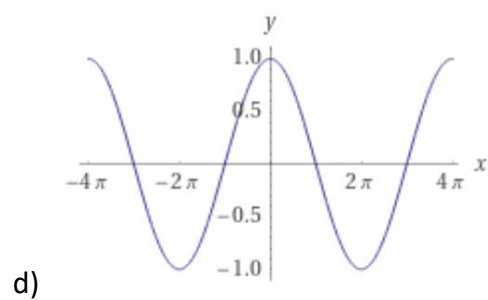
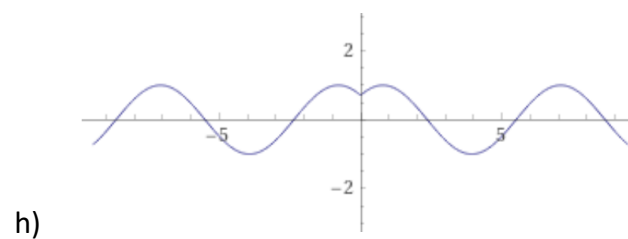
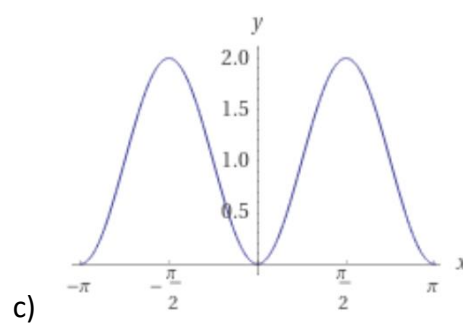
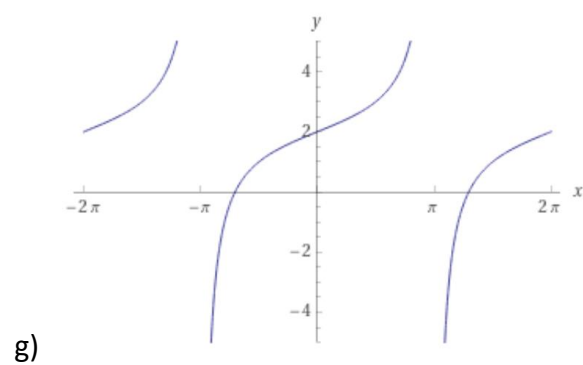
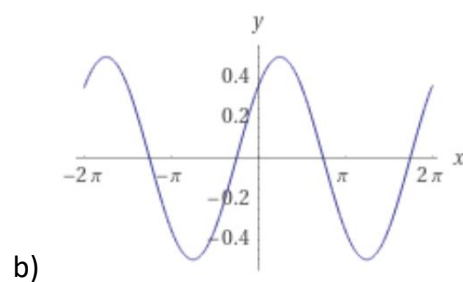
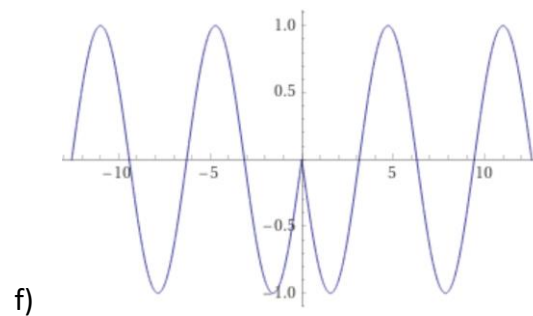
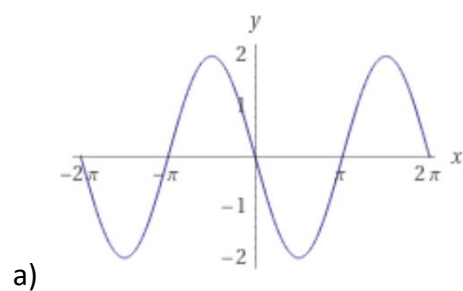
Zad. 5

- a) < 0
- b) > 0
- c) $= 0$
- d) > 0

Zad. 4

- a) $x = \frac{2}{3}\pi + k\pi, k \in \mathbb{Z}$
- b) $x = \frac{\pi}{6} + k\pi, k \in \mathbb{Z}$

Zad. 6



KONIEC