LS 10 S 174

Nr. 1 | a) $f(x) = 1 \cdot \cos(1 \cdot x) \Rightarrow$ Amplitude $= 1$

Periode $= \frac{2\pi}{1} = 2\pi$

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b) $f(x) = 4 \cdot \sin(1 \cdot x) \Rightarrow$ Amplitude $= 4$

Periode $= \frac{2\pi}{1} = 2\pi$

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c) $f(x) = 1 \cdot \sin(\pi \cdot x) + 4 \Rightarrow$ Amplitude $= 1$

Periode $= \frac{2\pi}{\pi} = 2$

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d) $f(x) = 1 \cdot \cos(\frac{1}{10} x) \Rightarrow$ Amplitude $= 1$

Periode $= \frac{2\pi}{\frac{1}{10}} = 20\pi$

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e) $g(x) = -1 \cos(2\pi x) \Rightarrow$ Amplitude $= |-1| = 1$

Periode $= \frac{2\pi}{2\pi} = 1$

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f) $g(t) = -\frac{1}{2} \cdot \sin(\frac{1}{2} t) - 2 \Rightarrow$ Amplitude $= |-\frac{1}{2}| = \frac{1}{2}$

Periode $= \frac{2\pi}{\frac{1}{2}} = 4\pi$

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g) $h(s) = 2 \cdot \cos(\frac{\pi}{2} \cdot s) \Rightarrow$ Amplitud $= 2$

Periode $= \frac{2\pi}{\frac{\pi}{2}} = 4$

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h) $f(t) = \frac{1}{3} \cdot \sin(\frac{2\pi}{3} t) - 3 \Rightarrow$ Amplitude $= \frac{1}{3}$

Periode $= \frac{2\pi}{\frac{2\pi}{3}} = 3$

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