

Abstract

[Back to the top of the page](#)

Find out the background of each author to see who

1. When are the maximum values of $f(x)$ reached? $x = \frac{\pi}{2}, \frac{3\pi}{2}$ 2. When are the zeros of $f(x)$ reached? $x = \pi, 2\pi$
3. When are the minimum values of $f(x)$ reached? $x = \frac{3\pi}{2}, \frac{5\pi}{2}$ 4. When are the values of $f(x)$ bounded on the interval $[0, 2\pi]$? $f(x) \in [-1, 1]$
5. When are the values of $f(x)$ bounded on the interval $[0, \frac{\pi}{2}]$? $f(x) \in [0, 1]$ 6. When are the values of $f(x)$ bounded on the interval $[\frac{\pi}{2}, \pi]$? $f(x) \in [-1, 0]$
7. When are the values of $f(x)$ bounded on the interval $[\pi, \frac{3\pi}{2}]$? $f(x) \in [-1, 0]$ 8. When are the values of $f(x)$ bounded on the interval $[\frac{3\pi}{2}, 2\pi]$? $f(x) \in [0, 1]$

These were the 17 leading articles and these were the words the top editors who reported a special meeting wanted after their session. ¹ What about the first we looked at? We asked the editor:

WILLAR was responsible for knowledge for the following future tasks:

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|---------|----------------------|---------|--------------------------|
| 10. QAO | Chlorine, 10.0% | 11. TSS | Temperature, 24.0°C |
| 11. QAO | Copper, 0.00 mg/L | 12. Age | Days since collection, 0 |
| 13. MTD | Phosphate, 0.00 mg/L | 13. PH | Lead, 0.00 mg/L |

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| 1. <i>Leptocarpus</i> | 2. <i>Leptocarpus</i> |
| 3. <i>Leptocarpus</i> | 4. <i>Leptocarpus</i> |
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[illegible]

- (ii) Write the complete conjugate base(s) of H_2PO_4^- , also show the subsequent K_a values for each step.
- (iii) Write the acid dissociation constant expression for the reaction:
- $$\text{H}_2\text{PO}_4^- + \text{H}_2\text{O} \rightleftharpoons \text{HPO}_4^{2-} + \text{H}_3\text{O}^+$$

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