36) Av |g"(x0)=0, in es |g"(x0)| +0 Tots V=3

 $\left/\left(\frac{f}{g}\right)' = \frac{f_{g}' - f_{g}'}{4^{2}}\right'$

$$(A) g(x) = \frac{x^3-5}{2} \implies g(x) = \frac{3x^2}{2}$$

$$|g'(2)| = \left|\frac{3\cdot4}{2}\right| = 6 \geqslant 1, \text{ apa anokalives.}$$

$$3x^2-19$$

$$g(x) = \frac{3x^{2} - 19}{17} \implies g(x) = \frac{3x^{2} - 19}{17}$$
(B) $g(x) = \frac{3x^{2} - 19}{17}$

$$g(x) = \frac{x^{3} - 13x - 7}{17} \implies g(x)$$

$$|g(x)| = \left| \frac{-7}{17} \right| = \frac{7}{17} = \frac{7}{17} = \frac{1}{17} = \frac{2}{3} \cdot \frac{2}{3} \cdot \frac{2}{9} = \frac{2}{3} \cdot \frac{2}{9} \cdot \frac{2}{$$

$$|g(2)| = \frac{1}{17} | - 17$$

$$|g(2)| = \frac{17}{17} | - 17$$

$$|g(x)| = \frac{2x^3 + 5}{3x^2 - 2} \implies g(x) = \frac{6x^2 \cdot (3x^2 - 2) - (2x^3 + 5) \cdot 6x}{(3x^2 - 2)^2} = \frac{2x^3 + 5}{3x^2 - 2} \implies g(x) = \frac{6x^2 \cdot (3x^2 - 2) - (2x^3 + 5) \cdot 6x}{(3x^2 - 2)^2} = \frac{6x^2 \cdot (3x^2 - 2) - (2x^3 + 5) \cdot 6x}{(3x^2 - 2)^2} = \frac{6x^2 \cdot (3x^2 - 2) - (2x^3 + 5) \cdot 6x}{(3x^2 - 2)^2}$$

$$\frac{3^{(x)}}{3^{2}} = \frac{3^{2} - 2}{3^{2} - 12^{2}} = \frac{6^{x} + 12^{2} - 30^{x}}{3^{2} - 2^{2}} = \frac{6^{x} + 12^{2} - 30^{x}}{3^{2} - 2^{2}}$$

$$\left|g(2)\right| = \left|\frac{-12}{100}\right| = 0.12 \angle 1$$
 opa organizar postfika

Avaitere de 2 grouper légeron. //
aurin le to min légeron.

$$(1) g(x) = \frac{x^3 + 19 \times -5}{21} \implies g'(x) = \frac{3x^2 + 19}{21}$$

$$|g(x)| = \frac{x^2 + 19x^2}{21}$$
 = $|g(x)| = |f(x)| = |f(x)$

· To to spéreu va avidres no Diasonja Tijedines: 19/cx) / <1.

Qèpa 2.4/ Debp. 2013 $\varphi(x) = 2x - \frac{x^2}{4} \implies \varphi(x) = 2 - \frac{x}{2}$ Endepa Equa $2x - \frac{x^2}{4} = x \implies x - \frac{x^2}{4} = 0$ $(\varphi(x) = x) \implies 2x - \frac{x^2}{4} = x \implies x - \frac{x^2}{4} = 0$ $(\varphi(x) = x) \implies 2x - \frac{x^2}{4} = x \implies x - \frac{x^2}{4} = 0$ $||x|<\delta \Rightarrow -\beta < x < \delta$ $||x|>0 \Rightarrow ||x|>0$ $\Rightarrow x \cdot (1 - \frac{x}{4}) = 0 \Rightarrow \begin{cases} x = 0 \\ x = 4 \end{cases}$ $|q(x)| \leq 1 \implies |2-\frac{x}{2}| \leq 1 \implies -1 \leq 2-\frac{x}{2} \leq 1$ Didorta Especion → -3 < -× <-1 => 6>×>2 Bouns: Me karaillulo Xo va jivour 2 enau/yers. $1 = \sin(4\pi) \times_1 = \varphi(x_0) = \varphi(3) = 6 - \frac{9}{4} = 3.75$ $2 = \sin(4\pi) \times_2 = \varphi(x_1) = \varphi(3.75) = 2.375 - \frac{3.75}{4} = 3.984375$ (Pàga 2 (B) Ent. 2018) x2 5=0 => x=±1/5 $//(\frac{1}{x})' = (x^{-1})' = -1 \cdot x^{-2}$ • $g(x) = \frac{5}{x} \implies g(x) = \frac{-5}{x^2}$ $\left|g'(\sqrt{s})\right| = \left|\frac{-5}{5}\right| = 1 \geqslant 1$, apa onordive $g(x) = 1 + x - \frac{x^2}{5} \implies g(x) = 1 - \frac{2x}{5}$ |g(v5)|= |1-2V5| /1, aipa orgedires Hofficos. Apa Trexcreps in g(x) = 1+x - x2. |g/x) | 21 => -121-8×21 => -22-8×20 => 5>×>0 Digorya Eigedion Enilegoure to=1 \(\int(0,5)\) 1 = crow/yu: x1 = g(x0) = g(1) = 2 - = 1.8 2^{-1} on au/ψ_{1} : $x_{2} = g(x_{1}) = g(1.8) = 1 + 1.8 - \frac{1.8^{2}}{5} = 2.152$

$$\frac{\partial \dot{q}_{\alpha} 2/2 \epsilon_{7} r. 2017}{\langle x | q(x) = \frac{4}{5} + \frac{1}{x}} \Rightarrow g'(x) = \frac{4}{5} - \frac{1}{x^{2}}$$

$$|g'(\sqrt{5})| = |\frac{4}{5} - \frac{1}{5}| = \frac{3}{5} 21, \text{ apa orgalizar postfiles}$$

$$|g(x)| = \frac{x}{2} + \frac{5}{2x} \implies g(x) = \frac{1}{2} - \frac{5}{2x^2}$$

$$|g(x)| = \left| \frac{1}{2} - \frac{5}{10} \right| = 0, \text{ apa argalines unexportation}$$

$$|g'(x|3)| = \left| \frac{1}{2} - \frac{5}{10} \right| = 0, \text{ apa argalines unexportation}$$

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$$|g'(73)| = |\frac{1}{2} - \frac{5}{10}| = 0, \text{ apx}$$

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$$|g'(73)| = |\frac{1}{2} - \frac{5}{10}| = 0, \text{ apx}$$

$$|g'(73)| = |\frac{1}{2} - \frac$$

$$= \frac{2x^{2} + 7x + 5 - x^{2} - 5x}{(x+1)^{2}} = \frac{x^{2} + 2x + 5}{(x+1)^{2}}$$

$$= \frac{2x^{2} + 7x + 5 - x^{2} - 5x}{(x+1)^{2}} = \frac{x^{2} + 2x + 5}{(x+1)^{2}}$$

$$|g'(\sqrt{s})| = \left| \frac{10 + 2\sqrt{5}}{(\sqrt{s+1})^2} \right| > 1$$
 oiça anordires. $\sqrt{\sqrt{x^2}} = |x|$

Taxotepa 4
$$g(x) = \frac{x}{2} + \frac{5}{2x}$$

Taxiteen 4
$$g(x) = \frac{x}{2} + \frac{1}{2x}$$

Analyteen 4 $g(x) = \frac{x}{2} + \frac{1}{2x}$

$$\int_{1} \frac{1}{x} \frac{1}{x} \frac{1}{x} = \frac{1}{2x} \frac{1}{x} = \frac{1}{2x} \frac{1}{x} \Rightarrow \frac{1}{2} \Rightarrow \frac{1$$

$$|g(x)| \angle 1 \Longrightarrow -1 \angle \frac{1}{2} - \frac{1}{2x^2} \Longrightarrow |g'(x)| \angle 1 \Longrightarrow \frac{3}{5} > \frac{1}{x^2} \Longrightarrow |g'(x)| \Rightarrow |g'(x)|$$

Enilyoute
$$x_0 = 2 \in \mathbb{Z} = \mathbb{Z} + \mathbb$$

Enclose
$$x_0 = 2 \in \mathbb{Z}$$
 $(\sqrt{3}, +\infty)$
 $1 = g(x_0) = g(x_1) = \frac{2}{2} + \frac{5}{4} = 2.25$
 $1 = g(x_0) = g(x_1) = g(x_2) = \frac{2.25}{2} + \frac{5}{2.2.25} = 2.236$

Enileforte
$$x_0 = 2C^{-1}$$

 $\int_{-1}^{1} g_1 \cos y dy = x_1 = g(x_0) = g(x_1) = g(x_2) = \frac{2}{2} + \frac{5}{4} = \frac{2.25}{2 \cdot 2.25} = \frac{2.2361}{2}$
 $2 = \cos y dy = x_2 = g(x_1) = g(2.25) = \frac{2.25}{2} + \frac{5}{2.2.25} = \frac{2.2361}{2}$