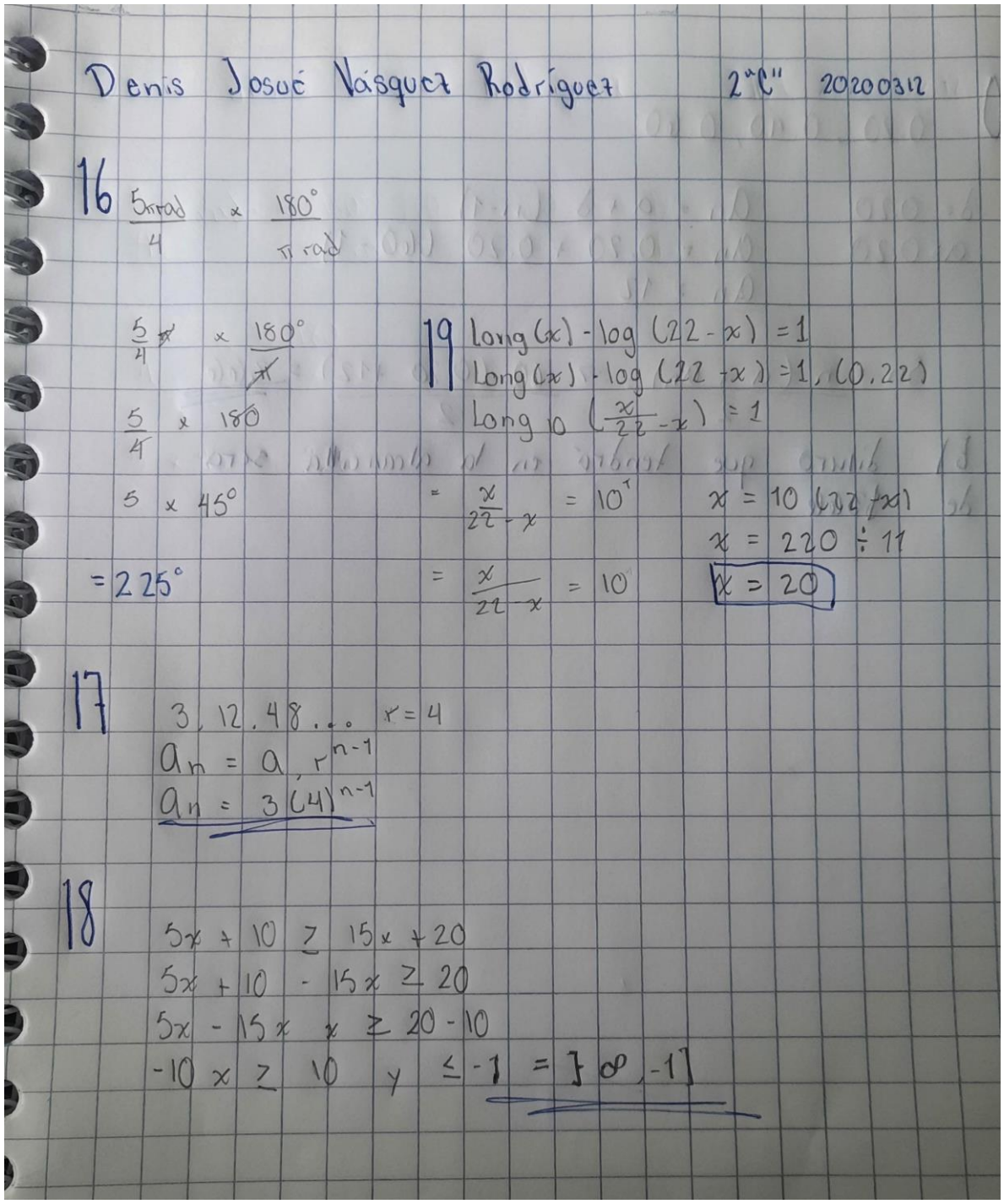
Denis Josué Vásquez Rodríguez #28 20200312



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16 $\frac{5\pi rad}{4} \times \frac{180°}{\pi rad}$

$\frac{5}{4} \times \frac{180°}{}$

$\frac{5}{4} \times 180$

$5 \times 45°$

$= 225°$

19 $\log(x) - \log(22 - x) = 1$

$\log(x) - \log(22 + x) = 1, (0.22)$

$\log_{10}\left(\frac{x}{22 - x}\right) = 1$

$= \frac{x}{22 - x} = 10^1$

$= \frac{x}{22 - x} = 10$

$x = 10(22 + x)$

$x = 220 \div 11$

$x = 20$

17 3, 12, 48, ... $r = 4$

$a_n = a_1 r^{n-1}$

$a_n = 3(4)^{n-1}$

18 $5x + 10 \geq 15x + 20$

$5x + 10 - 15x \geq 20$

$5x - 15x \geq 20 - 10$

$-10x \geq 10 \quad y \leq -1 =]-\infty, -1]$

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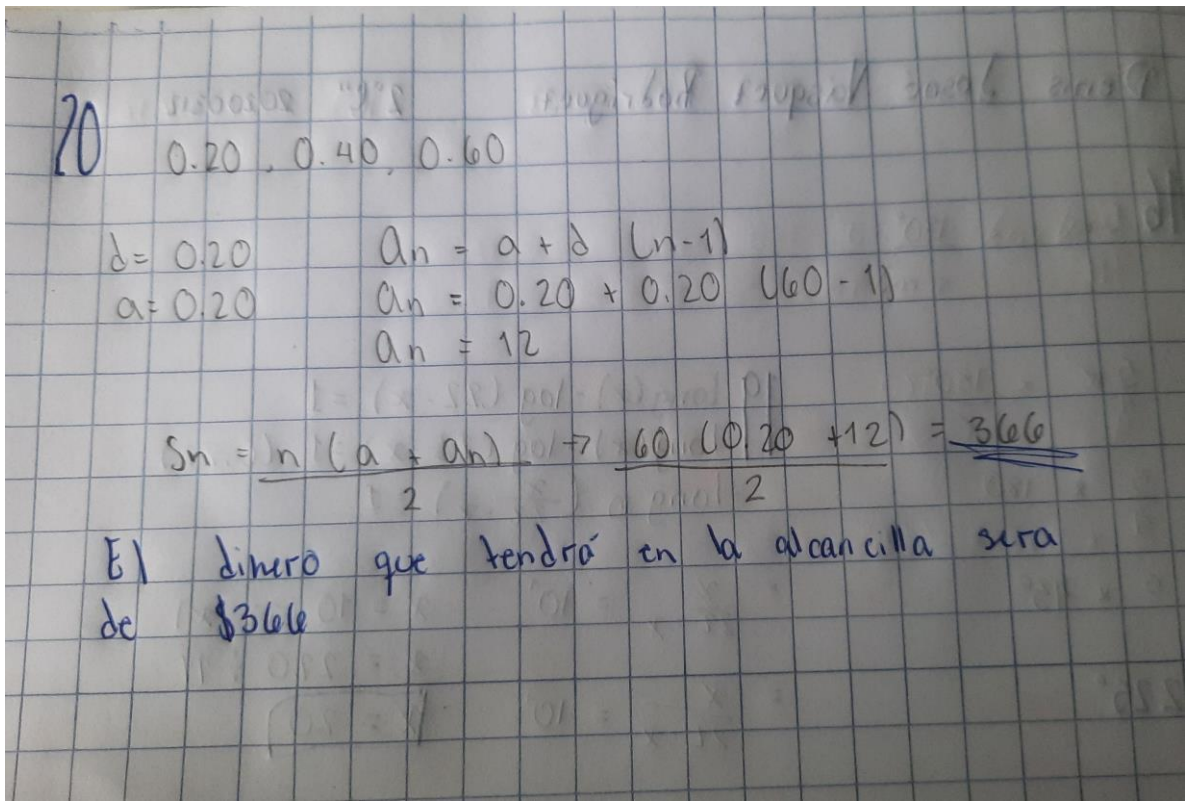

20 0.20, 0.40, 0.60

$d = 0.20$ $a = 0.20$

$a_n = a + d(n-1)$

$a_n = 0.20 + 0.20(60-1)$

$a_n = 12$

$S_n = \frac{n(a + a_n)}{2} \rightarrow \frac{60(0.20 + 12)}{2} = 366$

El dinero que tendrá en la alcancilla será de $366