

هم به جیب (صفر)

بنام پروردگارم

زکاتنی

1-  $1 - at + b = 0 \rightarrow f(a + b) = 1$   
 $9 - 3a + b = 0 \rightarrow -3a + b = -9 \Rightarrow b = 3a - 9$   
 $-2a = -1 \rightarrow a = \frac{1}{2}$   
 $a + b = \frac{1}{2} + 3(\frac{1}{2} - 9) = \frac{1}{2} + \frac{3}{2} - 27 = 2 - 27 = -25$

2-  $P_2 | x^3 = 3, S = 4 | x^3 = 4 \rightarrow x^3 - 3 = 0, a + b = \sqrt{3}$

2-  $-1 - 3n = 0 \rightarrow n = -\frac{1}{3}$  پس در  $n = -\frac{1}{3}$  می شود  
 $k - 2 < 0 \rightarrow k < 2$  عبارت برای  $n$  متناهی بزرگتر از  $n$  می باشد  
 $-n + m - 1 = \frac{1}{n} \rightarrow -\frac{1}{3} + m - 1 = 3 \rightarrow m = 4 + \frac{1}{3}$

$\frac{m}{n} + k = \frac{4 + \frac{1}{3}}{-\frac{1}{3}} + 1 = -13$

3-  $\frac{1}{f} x^2 + 2x + 9 > \frac{1}{f} \rightarrow -\frac{1}{f} x^2 + 2x + 9 > 0 \rightarrow x^2 - 4x - 9 < 0$   
 $(x+1)(x-5) < 0$   
 $(-1, 5) \rightarrow (a, b)$

4-  $f(x) = x^2(x-3) - (x-5) < 0 \rightarrow (x^2-1)(x-3) < 0$   
 $x > 0 \rightarrow (1, 3) = (a, b) \rightarrow \frac{3+1}{2} = 2$   
 $f(2) = 1 - 1 \cdot 2 + 3 = 2 - 3 = -1$

5-  $ax^2 + bx + c \rightarrow a < 0 \rightarrow a < 1$   
 $x_0 \rightarrow (a-1)^2 f(a-1) = a^2 + 1 - 2a - (a^2 + 1) = a^2 - 2a + 1 - a^2 - 1 = -2a < 0 \rightarrow (a-1)(a-5)$   
 $(1, 5) \rightarrow \emptyset$

زنگنه

