Bai top Childy 1

1, the 
$$f(x) = (n-1)(n-2)^2(x-3)^3$$
.

Tink  $f'(x)$ ,  $f'(x)$ ,  $f'(x)$ ,  $f'(3)$ .

2, the  $f'(x)$  arcsin  $\sqrt{\frac{x}{x+c_1}}$ .

Tink  $f'(x)$ .

3, Tink the ham can ham so:

4,  $y = x + \sqrt{x^2 + 3\sqrt{x}}$  by  $y = \frac{1}{x} + \frac{1}{\sqrt{x}} + \frac{1}{3\sqrt{x}}$ 

c,  $y = \sqrt[3]{\frac{1+x^3}{1-x^3}}$  d)  $y = \frac{\sin^2 x}{\sin x^2}$ 

e,  $y = \frac{1}{\cos^n x}$  f,  $y = \frac{1}{\sqrt{x}} + \frac{1}{\sqrt{x}} + \frac{1}{\sqrt{x}}$ 

9,  $y = x^{1/2}$  h,  $y = \ln(x + \sqrt{1+x^2})$ 

4, Viet plus think the top topic voi the day cong  $y = x^3 - 3x^2 - x + 5$  tai them  $A(3, 2)$ .

B+1

5) Tim Vi phan cac cun ham so:

a, 
$$y = \frac{1}{x}$$
 b,  $y = \frac{1}{a} \operatorname{covet}_{g}(\frac{\pi}{a}) \operatorname{Voi} a \neq 0$ 

$$e$$
,  $y = \pi e^{\chi}$   $f$ ,  $y = \sqrt{a^2 + \chi^2}$ 

9, 
$$y = \frac{\chi}{\sqrt{1-\chi^2}}$$
 h,  $y = \ln(1-\chi^2)$ 

6) Tim
a) 
$$\frac{d(n^3-2n^6-x^9)}{d(n^3)}$$
b) 
$$\frac{d}{d(n^2)}\left(\frac{\sin x}{x}\right)$$

$$c$$
,  $\frac{d(\sin n)}{d(\cos n)}$ 

7) 
$$Tim$$
  $y''$   $new$ :

a)  $y = \pi \sqrt{1+\pi^2}$  b)  $y = \frac{\pi}{\sqrt{n-\pi^2}}$ 

c, 
$$y = e^{-\pi^2}$$
 d,  $y = \ln(f(\pi))$ 

8) Tim  $y_{\pi}$ ,  $y_{\pi\pi}$  cur ham so' y = f cw the dust dang than so'a, x = 2 + - + 2, y = 3 + - + 3b) x = a cost, y = a sintc) x = a (f - sint), y = a (1 - cost)