11. 4(x) = 2x+1

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ZACETHA VREDMOST

$$\int_{1}^{1} \left(\chi\right) = \frac{(2x+4)^{4} \cdot (x^{2}-4) - (2x+4) \cdot (x^{2}-4)^{4}}{(x^{2}-4)^{2}} = \frac{2 \cdot (x^{4}-4) \cdot (2x+4) \cdot 2x}{(x^{2}-4)^{2}} = \frac{2x^{4} \cdot 2 \cdot (x^{4}-2)}{(x^{2}-4)^{2}} = \frac{2x^{4} \cdot 2 \cdot (x^{4}-2)}{(x^{4}-4)^{2}} = \frac{2x^{4} \cdot 2 \cdot (x^{4}-2)}{(x^{4}-2)^{2}} = \frac{2x^{4} \cdot 2 \cdot (x^$$

 $\chi_{\tau} = \frac{-2 \cdot 0 \cdot 2 \cdot 0 \cdot 2}{(0 - 4)^2} = \frac{-2}{4} = -2$ 

y+1=-2 (x-0)

y=-2x-1

2. 00Va 0:

y'= k+

KN = 5

```
b) 4(x)=(2x-3) . (x2+1)
4(x)= (4x=-12x+9)-(x=+1)= 4x4-12x3+9x=+4x+-12x+9 = 4x4-12x3+13x=-12x+9
4'(x) = 4.4x5-12.3x2+13.2x-12
4'(x) = 16x3-36x=+26x-12
6) M(x) = (4x2+3) · (1-x)-1
A(x) = 4x2+3
                                     (4) - 4 2 4 2
M'(x) = (4x+3) · (1-x) · (4x+3) · (4·x) = (4-x) · (4x+3) · (4) = (4x+3) · (4) = (4-x)^2 = (4-x)^2 = (4-x)^2
10. x(x)= ax5-4x3+7x2+bx+25 -> +1(x)= 5ax4-12x2+14x+b
     + (-2)=5
     7'(-1)=-8
                                            7. (-1) = 5a. (-1) 4-12-(-1) 2+14-(-1)+6
- (-2) = a (-2)5-4-(-2) +7-(-2) -24+25
  5 = -324 + 32 + 28 - 26 + 25
                                                -8= 5a-12-14+6-
                                                18 = 5 A + b-
 -80=-32 4-2 b
 -80=-324-26
 18 = 5 m + b /.2
 -80 = -32 A-24
 36 = 10a + 21
  -44=-224
                         18 = 10 +6
  a = 2
                          L= 8
```

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ZAČETNA TOŽNA I

YZPOREOMICA R. = R. y -1 = \frac{1}{2} (x-0) y = \frac{1}{2} x + 1

y-1=-2 (x-0) y=-2x+1

8.  $x = 45^{\circ}$  2x + y - 5 = 0 3x + 5y - 4 = 0

2x+y-5=0 /-(-5) 3x+5y-4=0 -10x-5y+25=0 3x+5y-4=0 -7x=-21 x=3

1 6+y-5=0 y=-1 T(3,-1)

 $k = -1 \qquad y + 1 = -1(x - 3)$  y = -x + 3 - 1 y = -x + 2

9. A) 
$$A(x) = \frac{4x^3}{3} + \frac{x^2}{2} + 5x - 3 + \frac{2}{x} - \frac{5}{2x^2}$$
  
 $A(x) = \frac{5}{3}x^3 + \frac{1}{2}x^2 + 5x - 3 + 2x^{-1} - \frac{5}{2}x^{-2}$ 

1'(x)= 3.3x2.2x+5-0.2.(-1)x-2-2.(-2)x-3 1'(x)= 4x2+x+5-2x-2+5x-3

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= 
$$\lim_{x \to 4} \left( \frac{x^4 - 2x^4 A}{(1-x)(1-x^2)} \right) = \lim_{x \to 4} \left( \frac{(x^4)(x^4)^3}{(x^4)(x^4)(x^4)} \right) = \lim_{x \to 4} \left( \frac{A}{x^4} \right) = \frac{A}{2}$$

3. 
$$2 \times -5 y - 10 = 0$$
  $y = \frac{1}{6} \times -2$   $k = \frac{5}{5}$ 

NIGLA:  $2 \times \frac{5}{10} \times 10^{-2}$ 
 $0 = \frac{1}{5} \times 2$ 
 $1 \times \frac{5}{10} \times 10^{-2}$ 
 $1 \times \frac{5}{10} \times 10^{-2}$ 

$$2 = \frac{1}{5} \times / : \frac{1}{5}$$

$$\times = 5$$

$$(50)$$

$$y + 0 = -\frac{5}{2} (x - 5)$$

$$y = -\frac{5}{2} \times \frac{25}{2}$$

