$$\frac{3}{5} = \frac{1}{2} = \frac{1}$$

$$\frac{2}{6x} - \frac{12}{5^5} = -12 \cdot \frac{2}{6x} \cdot \frac{1}{5^5}$$

$$= -12.-5.5^{-6}$$
 $= 605^{-6}$

$$\frac{10.}{5}(x-2)(2+3) = 2x^2 - x - 6$$

$$= 4x - 1$$

.....

万十元(元)

33,
$$1 = x^{\frac{1}{4}}$$
 $\frac{1}{4}x^{\frac{1}{4}}$ $\frac{1}{4$

3.
$$\frac{2}{24}(x^3+24)(e^x)$$

= $(x^3+24)(e^x) + e^x = (x^3+24)(e^x)$
= $(x^3+2)(e^x) + (x^3+24)(e^x)$
= (x^3+3x^2+24+2)

4.
$$\frac{1}{2}$$
 $(x)(e^{x})$
 $= (x)(e^{x}) + e^{x} = \frac{1}{2}$ $(x)(e^{x}) + (e^{x})(1)$
 $= (e^{x})(x + \frac{1}{2}x^{-6})$
 $= (e^{x})(x + \frac{1}{2}x^{-6})$
 $= (e^{x})(x + \frac{1}{2}x^{-6})$
 $= (e^{x})(x + \frac{1}{2}x^{-6})$

6.
$$e^{\times}$$
 $te^{1-e^{\times}}$
 $(e^{\times})^{+}$
 $(e^{\times})^{+}$
 $(e^{\times})^{+}$
 $(e^{\times})^{+}$
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 $(e^{\times})^{+}$

$$= \frac{(e^{x})(1+e^{x})^{2}}{(2+e^{x})^{2}} = \frac{7}{3} \frac{1+2x}{3-4x}$$

$$= \frac{(e^{x})(1+e^{x})}{(2+e^{x})^{2}} = \frac{3+4x}{(2+e^{x})^{2}} + \frac{1+2x}{(1+2x)(-4)}$$

$$= e^{4}$$
 $= -64 - 7$

8.
$$\frac{1}{2} \times \frac{x^{2}-2}{2 \times 41} = \frac{(2 \times 4)(\frac{1}{2}(2 \times 2)) - (x^{2}-2)(\frac{1}{2}(2 \times 41))}{(2 \times 41)(2 \times 41)}$$

$$= (2 \times 4)(2 \times -0) - (x^{2}-2)(2 +0)$$

$$= \frac{2 \times -(x^{2}-2)(2)}{2 \times 41}$$

$$= \frac{2 \times -(x^{2}-2)(2 \times 41)}{2 \times 41}$$

$$= \frac{2 \times -(x^{2}-2)(2 \times$$

$$\frac{(3)}{(1-x^{2})(3x^{2})-x^{3}(-2x)}{(1-x^{2})(-x^{2})}$$

$$= (-1) \cdot (x^{3}+x-2)(1)-(x+1)(3x+1)$$

$$= (x^{3}+x-2)(x^{3}+x^{2})$$

$$= (x^{3}+x-2)(x^{3}+x^{2})$$

$$= (x^{3}+x-2)(x^{3}+x^{2})$$

$$= (x^{3}+x^{2}+1)(x^{3}-x^{3}+1)$$

$$= (x^{3}+x^{2}+1)(x^{3}-x^{3}+1)$$

$$= (x^{3}+x^{2}+1)(x^{3}-x^{3}+1)$$

$$= (x^{3}+x^{2}+1)(x^{3}-x^{3}+1)$$

$$= (x^{3}+x^{3}+1)(x^{3}-x^{3}+1)$$

$$= (x^{3}+x^{3}+1)(x^{3}-x^{3}+1)$$

$$= (x^{3}+x^{3}+1)(x^{3}-x^{3}+1)$$

$$= (x^{3}+x^{3}+1)(x^{3}+x^{3}+1)$$

$$= (x^{3}+x^{3}+x^{3}+1)(x^{3}+x^{3}+1)$$

$$= (x^{3}+x^{3}+x^{3}+x^{3}+1)(x^{3}+x^{3}+1)$$

$$= (x^{3}+x^{3}+x^{3}+x^{3}+1)(x^{3$$

(IX)