

$$\mathbf{119} \text{ a. } A = e^{-1+2x} \times e^{-x} = e^{-1+2x+(-x)}$$

$$= e^{-1+x}$$

$$B = e^{-2x} \times (e^{0,3x})^7 = e^{-2x} \times e^{7 \times 0,3x}$$

$$= e^{-2x+2,1x}$$

$$= e^{0,1x}$$

$$\mathbf{b. } A = e^{5+x} \times e^{0,5} \times e^{-1+5x} = e^{5+x+0,5-1+5x}$$

$$= e^{4,5+6x}$$

$$B = \frac{(e^{-x})^2}{e^8} = \frac{e^{-2x}}{e^8} = e^{-2x-8}$$

$$\mathbf{c. } A = (e^x)^{10} \times e^{70x} = e^{10x} \times e^{70x}$$

$$= e^{10x+70x}$$

$$= e^{80x}$$

$$B = \frac{e^{7x}}{e^2 \times e^{-8x}} = \frac{e^{7x}}{e^{2-8x}}$$

$$= e^{7x-(2-8x)}$$

$$= e^{15x-2}$$

$$\mathbf{d. } A = e^{3+2x} \times (e^{2x})^{-1} = e^{3+2x} \times e^{-2x}$$

$$= e^{3+2x-2x}$$

$$= e^3$$

$$B = \frac{e^{x+1}}{(e^{7x})^3} = \frac{e^{x+1}}{e^{21x}}$$

$$= e^{x+1-21x}$$

$$= e^{-20x+1}$$