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

Donc $A(x) = e^{3x+1}$.

b. $B(x) = \frac{(e^{1-3x})^2}{e^{5x}} = \frac{e^{2(1-3x)}}{e^{5x}}$.

Donc $B(x) = \frac{e^{2-6x}}{e^{5x}} = e^{2-6x-5x}$.

Soit $B(x) = e^{2-11x}$.

c. $C(x) = e^{3+2x} \times (e^{2x})^{-1} = e^{3+2x} \times e^{-2x}$.

Donc $C(x) = e^{3+2x-2x}$.

Soit $C(x) = e^3$.

d. $D(x) = \frac{e^{7x}}{e^1 \times e^{-8x}} = \frac{e^{7x}}{e^{1-8x}}$.

Donc $D(x) = e^{7x-(1-8x)}$.

Donc $D(x) = e^{7x-1+8x}$.

Soit $D(x) = e^{15x-1}$.