

Correct.

$$\begin{aligned}\frac{x+5}{25x} \div \frac{x^2+12x+35}{35x} &= \frac{x+5}{25x} \cdot \frac{35x}{x^2+12x+35} \\ &= \frac{x+5}{5 \cdot 5 \cdot x} \cdot \frac{5 \cdot 7 \cdot x}{(x+5)(x+7)} = \frac{x+5}{x+5} \cdot \frac{5 \cdot x}{5 \cdot x} \cdot \frac{7}{5 \cdot (x+7)} \\ &= 1 \cdot 1 \cdot \frac{7}{5(x+7)} = \frac{7}{5x+35}\end{aligned}$$