

$$\textcircled{1} \quad f(x) = \frac{1-3x}{1-x}$$

$$\textcircled{2} \quad g(x) = \frac{4x}{x^2-16}$$

$$\textcircled{3} \quad f(x) = \frac{x^2-2x-8}{x^2-9}$$

$$\textcircled{4} \quad h(x) = \frac{5x^2+20}{x^2+x-12}$$

$$\textcircled{5} \quad f(x) = \frac{x^2-x-2}{x^3-2x^2-x+2}$$