

$$1) f(x) = \frac{x+2}{1-x}$$

(2)

$$2) f(x) = \frac{x^2-x-6}{1-x}$$

(3)

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

(1)

$$4) f(x) = \frac{x+2}{x^2-x-6}$$

(5)

$$5) f(x) = \frac{x+2}{x^2-x-6}$$

(4)

$$6) f(x) = \frac{x^2-2x}{x^2-x-6}$$

(6)

$$7) f(x) = \frac{(x^2-16)x}{x^2-x-6}$$

(7)

$$8) f(x) = \frac{x^2-x-6}{(x^2-16)x}$$

(8)