

$$6. f(x) = \frac{5x^2 - 7x}{3x}$$

$$= \frac{5x^2}{3x} - \frac{7x}{3x}$$

$$f(x) = \frac{5}{3}x - \frac{7}{3}$$

$$f'(x) = \left(\frac{5}{3}\right)$$

$$7. f(x) = \frac{x^2 - 25}{x + 5} \quad \text{DOTS}$$

$$f(x) = \frac{\cancel{(x+5)}(x-5)}{\cancel{x+5}}$$

$$f(x) = x - 5$$

$$f'(x) = (1)$$