$$A \times e_{11} = g(x_{1}) \qquad gw = x - \frac{fw^{2}}{f(x_{1}fw_{1}) - f(x_{2})}$$

$$X + e_{11} = X + \frac{f^{2}(x_{1})}{f(x_{2}+fw_{1}) - f(x_{2})}$$

$$X + e_{11} = X + \frac{f^{2}(x_{1})}{f(x_{2}+fw_{1}) - f(x_{2})} \hat{x}$$

$$yw = y \hat{w}_{1} + (x - \hat{x}) g\hat{w}_{1} + \frac{1}{2}(x - \hat{x})^{2} g\hat{w}_{2} + B_{3}(x_{2})$$

$$X + e_{11} = g(X_{1}) = g(\hat{x}_{1}) + (X_{1} - \hat{x}) g\hat{w}_{1} + \frac{1}{2}(X_{1} - \hat{x})^{2} g\hat{w}_{1} + B_{3}(X_{2})$$

$$X + e_{11} = \hat{x} + (X_{1} - \hat{x}) g\hat{w}_{1} - \dots + B_{3}(X_{1})$$

$$(X_{1} + 1 - \hat{x}) = |X_{1} - \hat{x}| |g\hat{w}_{1}| - \dots + B_{3}(X_{1})$$

$$(X_{1} + 1 - \hat{x}) = |X_{1} - \hat{x}| |g\hat{w}_{1}| - \dots + B_{3}(X_{1})$$

$$g(x) = x - \frac{fw}{f(x_{1} + fw_{1}) - fw} |f(x_{1} + fw_{1})|$$

$$g'(x) = |-\frac{fw}{f(x_{1} + fw_{1}) - fw}| - \frac{fw}{f(x_{1} + fw_{1}) - fw} |f(x_{1} + fw_{1})|$$

$$g'(x) = |-\frac{fw}{f(x_{1} + fw_{1}) - 2f(x_{1} + fw_{1}) - 2f(x_{1} + fw_{1})}{f(x_{1} + fw_{1}) - 2f(x_{1} + fw_{1}) - 2f(x_{1} + fw_{1})} |f(x_{1} + fw_{1})|$$

$$g(x) = x - \frac{fw}{f(x_{1} + fw_{1}) - 2f(x_{1} + fw_{1}) - 2f(x_{1} + fw_{1})}{f(x_{1} + fw_{1}) - 2f(x_{1} + fw_{1}) - 2f(x_{1} + fw_{1})} |f(x_{1} + fw_{1}) - 2f(x_{1} + fw_{1}) - 2f(x_{1} + fw_{1}) |f(x_{1} +$$

B Set
$$f(x) = x^2$$

$$f(x) = 0$$

$$f(x) = 0$$

$$= x - \frac{x^2}{x^2 + 2x^3 + x^4 - x^2}$$

$$= x - \frac{x}{2 + x}$$

$$= x - 1 + \frac{2}{2 + x}$$

$$f(x) = 0$$

$$= (-2)(2 + x)^2$$

$$f(x) = 0$$

$$f(x) = (-2)(2 + x)^2$$

