

# MATH 185 FORMULA SHEET

$$\text{proj}_{\vec{U}}(\vec{V}) = \frac{\vec{U} \cdot \vec{V}}{U^2} \vec{U}$$

$$x_{n+1} = x_n - \frac{f(x_n)}{f'(x_n)}$$

$$f(x) \approx f(a) + f'(a) \cdot (x - a)$$