Solving Exponential Equations

Example

Solve $9^x = 27$.

Example

Solve $8^{3x+2} = 128^{x+1}$

Compound Interest

Example

Albert invests $1,000 in a GIC with Bravo Bank at a guaranteed return on investment of 3% compounded quarterly. When the GIC matures in 10 years, what is the amount of Albert's investment?

Example

If Charlie Bank offers Albert a 10 year GIC at 3.1% interest compounded annually, which bank should Albert invest his money in?