Review of Algebra and Trigonometry

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Algebra

1. difference of squares

2. middle term (square roots too)

3. domain of rational and algebraic functions

4. composition of functions

Exponentials and Logarithms

1. laws of exponents

2. negative exponents, fractional exponents, zero

3. exponential growth and decay

4. graphs of exponential functions

5. the number e

6. logarithmic functions (inverse of exponentials)

7. laws of logarithms

8. change of base formula

Trigonometry

1. angles (radians, degrees)

2. unit circle, defn of trig. fcns., values at common angles

3. triangle trigonometry (SOH CAH TOA)

4. graphs of trig. fcns.