

AP Calculus AB - Evaluating Limits Algebraically - Quiz

Common Core AP CALC AB 1.5, AP CALC AB 1.6, AP CALC AB 1.7, AP CALC AB 1.8 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

Test yourself on evaluating limits with substitution, factoring, conjugates, special trig limits and the Squeeze Theorem with 10 multiple-choice questions. Pick one answer for each question, then read the explanation to see why it is right and which common mistake the other choices represent.

AP Calculus AB · Common Core State Standards: **AP CALC AB 1.5, AP CALC AB 1.6, AP CALC AB 1.7, AP CALC AB 1.8**

Remember

- Direct substitution works when the function is defined and continuous at the target.
- The form $0/0$ means "simplify more", not "the limit is 0" and not "does not exist".
- Multiply by the conjugate to remove a square root from a limit.
- $\lim \sin(x)/x = 1$ and $\lim (1 - \cos x)/x = 0$ as x approaches 0 (radians).