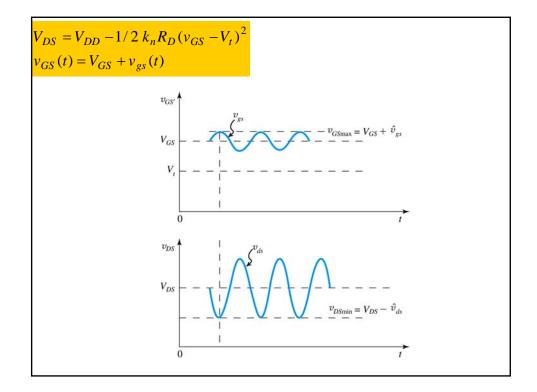
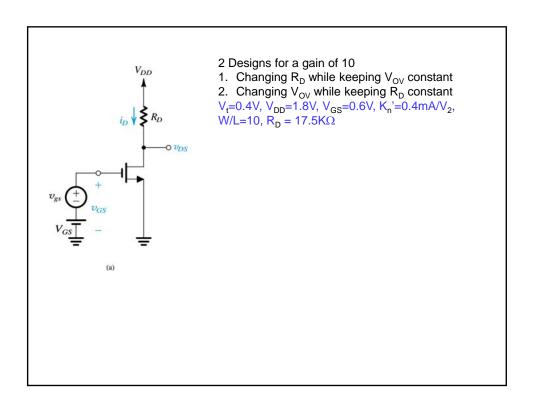
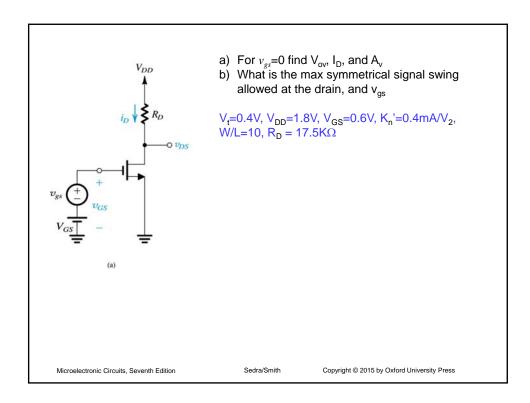
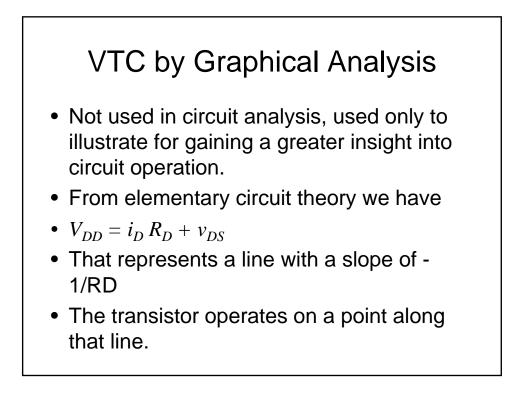


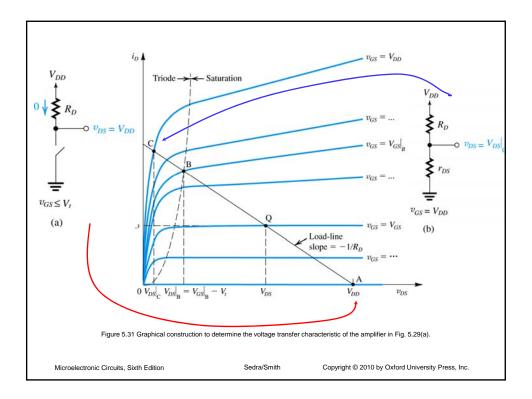
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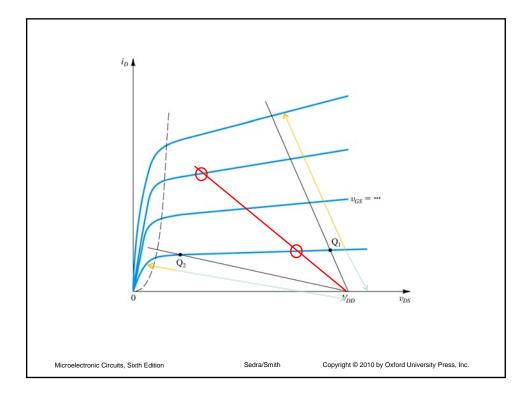


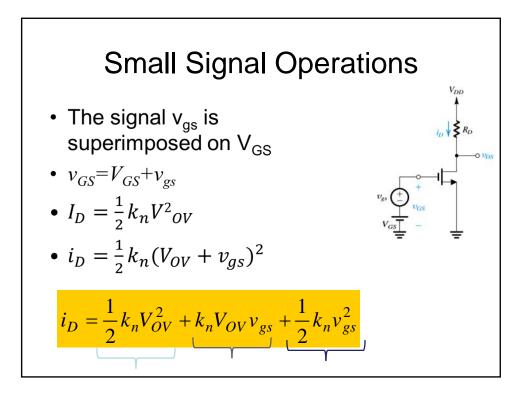


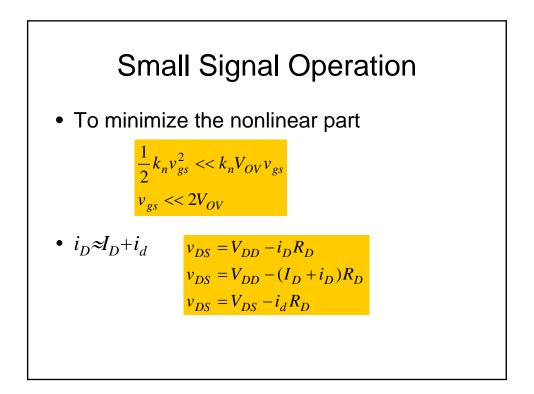


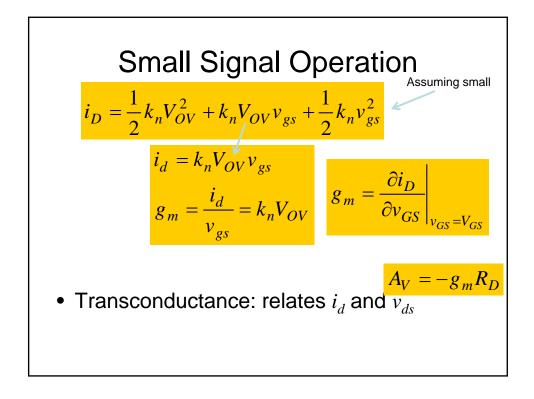


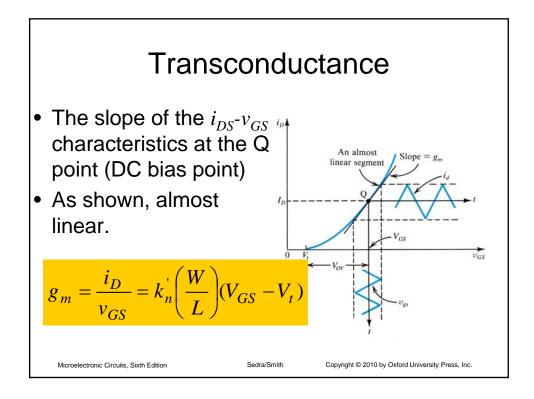


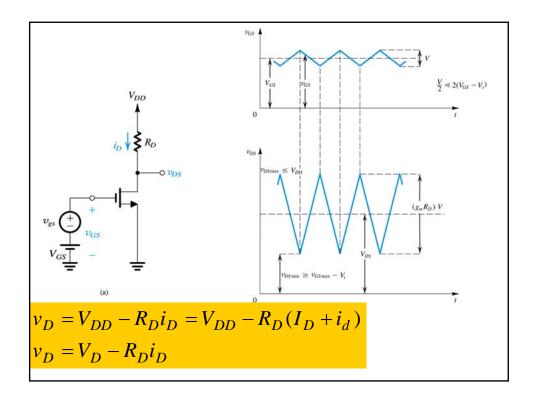












Separating DC Analysis and Signal Analysis

- Signal quantities are superimposed on DC quantities.
- We can separate DC and AC Analysis.
- The DC Analysis determine the Q Point
- (Bypass) Capacitors are added to prevent disturbing the DC bias (Q point). WHY?
- Draw the circuit from the signal point of view
 - DC voltages (current) are short (open)
 - Capacitors are short
 - MOSFET replaced by small signal equivalent Circuit

