

HOMWORK ASSIGNMENT #4

Circle the correct answer.

1. For normal linear operation of an npn transistor, the base voltage must be
 - a) disconnected
 - b) negative with respect to the emitter
 - c) positive with respect to the emitter
 - d) positive with respect to collector

2. The n-type regions in an npn transistor are:
 - a) collector and base
 - b) collector and emitter
 - c) base and emitter
 - d) emitter, base and collector

3. Two currents that are approximately the same in a normally operating npn transistor are:
 - a) collector and base
 - b) base and emitter
 - c) collector and emitter
 - d) none of the above

4. When an AC signal is supplied to a CE amplifier, the input signal moves the operating point_____
 - a) along the DC load Line
 - b) along the AC load line
 - c) between the AC and DC load lines
 - d) nowhere

5. On page 128, Example 3-1 do the Practice Exercise. **SHOW YOUR WORK!!!!**