ECE 460 — Quiz 1

1. $3j + 8$

   a) $8.544\, e^{j89.440°}$

   b) $8.544\, e^{j67.440°}$

   (c)) $8.544\, e^{j20.556°}$

   d) $8.544\, e^{-j110.556°}$

2. $52\, e^{j7°} =$

   a) $25.72 - j45.19$

   b) $39.20 + j34.16$

   (c)) $51.61 + j6.34$

   d) $-6.34 + j51.61$
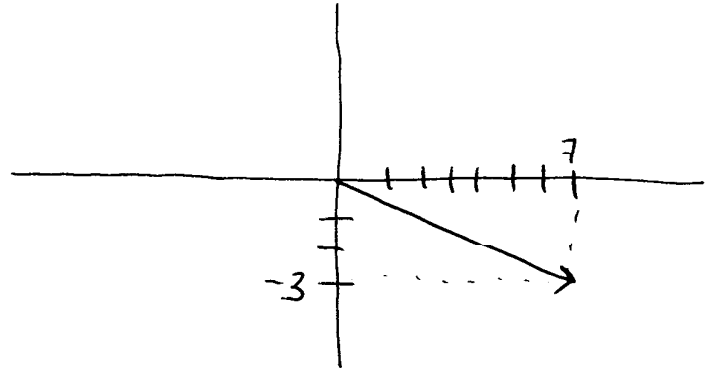
3. $2\, e^{j30°} + (7 - 3j) =$

   a) $7.31 - j4.98$

   b) $5.18 - j3.82$

   c) $8.73 + 4j$

   (d)) $8.73 - 2j$

4. Draw $7 - 3j$

5. Draw $10\, e^{j30°}$