D S T Q Q S S
D L M M J V S

c) $110001_2 = \underbrace{110}_{6}\ \underbrace{001}_{1} = 61_8$

d) $100100 = \underbrace{100}_{4}\ \underbrace{100}_{4} = 44_8$

1.6.11

a) $531_{16} = 5^2 3^1 1^0 = 5 \cdot 16^2 + 3 \cdot 16^1 + 1 \cdot 16^0 = 5 \cdot 256 + 48 + 1 = 1329_{10}$

b) $A5_{16} = A^1 5^0 = A \cdot 16^1 + 5 \cdot 16^0 = 10 \cdot 16 + 5 = 165_{10}$

c) $7B_{16} = 7^1 B^0 = 7 \cdot 16^1 + B \cdot 16^0 = 112 + 11 = 123_{10}$

d) $5F3_{16} = 5^2 F^1 3^0 = 5 \cdot 16^2 + F \cdot 16^1 + 3 \cdot 16^0 = 5 \cdot 256 + 15 \cdot 16 + 3$
$= 1280 + 240 + 3 = 1523_{10}$

1.6.12

a) 161_{10} — $161 \div 16$: resto 1, quociente 10 — $161_{10} = A1_{16}$

b) 210_{10} — $210 \div 16$: resto 2, quociente 13 — $210_{10} = D2_{16}$

c) 160_{10} — $160 \div 16$: resto 0, quociente 10 — $160_{10} = A0_{16}$

d) 780_{10} — $780 \div 16$: resto 12, quociente 48; $48 \div 16$: resto 0, quociente 3 — $780_{10} = 30C_{16}$