

$$B3_{16} = 59_{10}$$

$$= 16^3 + 16^2 + (11 \times 16^1) + (3 \times 16^0)$$

$$BA_{16} = \boxed{171}_{10}$$

$$16^3 + 16^2 + (11 \times 16^1) + 16^0 = \boxed{171}$$

$$3E1 = 993$$

$$16^3 + (3 \times 16^2) + 14 \times 16^1 + 16^0 = \boxed{993}$$