3) (10 pts) ALG (Base Conversion)

Perform each of the requested base conversions (the base of each number is written as a subscript):

(a) (2 pts) $347_{10} =$ _____ $_5$

(b) (2 pts) $361_7 =$ _____ $_{10}$

(c) (3 pts) $3AD_{16} =$ _____ $_2$

(d) (3 pts) $247321_8 =$ _____ $_4$