## Answer on Question #78939 – Math – Other

## Question

Convert (36.532)8 into an equivalent hexadecimal number.

## Solution

 $(36)_8 = 3 * 8 + 6 = 30 = 16 + 14 = (1E)_{16}.$  $(0.532)_8 = \frac{5}{8} + \frac{3}{64} + \frac{2}{512} = \frac{173}{256} = \frac{10}{16} + \frac{13}{256} = (0.AD)_{16}$  $(36.532)_8 = (1E.AD)_{16}.$ 

**Answer:**  $(36.532)_8 = (1E.AD)_{16}$ .

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