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a. $A = 111^{10} \times 100^{10} = (111 \times 100)^{10}$.

Donc $A = 11\ 100^{10}$.

b. $B = 13^{17} \times 13^{11} = 13^{17+11}$.

Donc $B = 13^{28}$.

c. $C = 2^{101} \times 2^{101} = 2^{101+101}$.

Donc $C = 2^{202}$.

d. $D = 16 \times 2^{16} = 2^4 \times 2^{16}$ car $16 = 2^4$.

Donc $D = 2^{4+16}$ soit $D = 2^{20}$.

e. $E = \frac{3^5}{3^2 \times 3^8} = \frac{3^5}{3^{2+8}} = \frac{3^5}{3^{10}}$.

Donc $E = 3^{5-10}$ soit $E = 3^{-5}$.

f. $F = \frac{19^5}{19^{-12} \times 19^7} = \frac{19^5}{19^{-12+7}} = \frac{19^5}{19^{-5}}$.

Donc $F = 19^{5-(-5)}$ soit $F = 19^{10}$.