Revile for Final
convert 24362 to hexadecimal

|  | $Q$ | $R$ |
| ---: | :---: | :--- |
| $24362 \div 16$ | 1522 | $10=A$ |
| $1522 \div 16$ | 95 | 2 |
| $95 \div 16$ | 5 | $15=F$ |
| $5 \div 16$ | 0 | 5 |



I like Sprite or 7-up. Do I like Sprite? Maybe
I like sprite and 7-up. Do I like Sprite? Yes
I like sprite and 7-up. Do I like Sprite or 7-up? Yes
I like sprite or 7-up. Do I like Spite and 7-up? Mage

For the following pairs of sentences below, is the second sentence the negation of the first?
a) There are no keys on my keyring. I have a positive number of keys on my keyring.
b) There are at least 3 dogs in the pork. There are at most 3 doss in the pork.
3 or less
c) All textbooks are overpriced. No textbooks are overpriced.
write the Bodean expression that corresponds to the following gate diagram.


For the following sequences, stele whether they are arithmetic, geometric, or neither. Also, gie a formula for $a_{n}$.
a) $80,-20,5, \ldots$ geometric with $r=\frac{-20}{80}=\frac{-1}{4}$
general form

$$
a_{n}=a_{m} r^{n-m}
$$

let $m=1$
b) $1,8,87,64, \ldots$

$$
a_{n}=n^{3} \quad \text { for } n \geq 1
$$

evaluate

$$
\sum_{j=5}^{100}(3-4 j)=-17+(-21)+(-25)+\ldots
$$

arithmetic with $d=-4$

$$
\begin{array}{rlrl}
S_{k} & =\frac{k}{2}\left(a_{m}+a_{n}\right) & \begin{aligned}
k & =n-m+1 \\
& =100-5+1=96 \\
& =\frac{96}{2}(-17-397)
\end{aligned} & \\
& =-19872
\end{array}
$$

$$
S_{k}=\frac{k}{2}\left(2 a_{m}+(n-m) d\right)
$$

