$\frac{2y-1}{(3)^2y-1}$ =  $2^6y-3$ =  $2^6y\cdot 2^{-3}$ =  $(2^5)^6\cdot 2^{-3}$ =  $1000000\cdot \frac{1}{8}$ = 125000

:. if 
$$2^{9} = 10$$
, then  $4^{(2y-1)} = 125000$ 

2) 
$$(\chi - 5) (\chi^2 + 2\chi - 15) = \chi^2 - 25$$
  
 $(\chi - 5)(\chi^2 + 2\chi - 15) = (\chi + 5)(\chi - 5)$   
 $(\chi^2 + 2\chi - 15) + (\chi + 5) = 1$   $flip = 5$ 

.. 4+16+12+...+392 exressed in simplest form is \$

is one possible value for N is 4