Maxima and minima

Fill in the blanks:

1. The point of local minima of the function $f(x)= (x-1)^2$ is.....
2. If $f(x)= 3x^4+4x^3-12x^2+12$ has local maxima at $x=0$, then the maximum value of $f(x)=$.....
3. The absolute maximum value of the function $f(x)= 2x^3-15x^2+36x+1$ on interval [1,5] is .....
4. An Apache helicopter of enemy is flying along the curve given by $y = x^2+ 7$. A soldier, placed at (3, 7), wants to shoot down the helicopter when it is nearest to him. The nearest distance is .....
5. Critical point/points of the function $f(x) = x^2-2x+1$ is .....