Gradient Descent Routines

${\bf Simple}$

```
Input: step size \gamma
Input: starting point \vec{a}_0
Initialize x^{(0)}, t = 0
while stopping criteria not met do
\begin{vmatrix} \vec{a}_{n+1} = \vec{a}_n - \gamma \nabla F(\vec{a}_n) \\ n \leftarrow n+1 \end{vmatrix}
end
return \vec{a}_n
```