Find direction of maximum increase in $F(x, y, z)=x^{2}+y^{2}+2 z$ at the point $(1,1,1)$.
. $\cdot$

$$
0.58 a_{x}+0.58 a_{y}+0.58 a_{z}
$$

- 0

$$
0.58 a_{x}+0.58 a_{y}
$$

- 0

$$
1.58 a_{x}+1.58 a_{y}
$$

. 0
$1.58 a_{x}+1.58 a_{y}+1.58 a_{z}$

If a signal in time domain is imaginary and odd then its corresponding Fourier transform is:

- real and even
- imaginary and even
- imaginary and odd
-     - real and odd

If wheel encoder is used with 4 ticks and $R$ is $10 C M$. How many ticks do we need to drive approximately 10 meters?

- 80 ticks
- 33 ticks
-     - 64 ticks
- 16 ticks

