Ex: $\quad \sqrt{2} \cos (2 \pi \vec{n} \circ \vec{x})=\sqrt{2} \cos \left(2 \pi\left[x_{1}+2 x_{2}\right]\right)$ when $\vec{n}=(1,2)$
The distance between wave crests is

$$
d=\frac{1}{|\vec{n}|}=\frac{1}{\sqrt{n_{1}^{2}+n_{2}^{2}}}=\frac{1}{\sqrt{1+4}}=\frac{1}{\sqrt{5}}
$$

## PICT:



