Work done by some force is defined as the vector dot product of that force with the displacement that results. $\boxed{W = \vec{F} \cdot \vec{s}}$

The magnitude of W is $\quad Fs\cos(\theta)$

Find the work for the following.

s=1 m
θ=90
F=2 N

F=2 N
s=3 m

F=2 N   s=4 m

s=6 m
θ=30
F=2 N