1.1cm

1.43

2.2

$\frac{1}{2} k \Delta x = U_k$ $k = \frac{2U_k}{\Delta x}$

$F_{spring} = -kx$

$= \frac{2U_k}{\Delta t}$

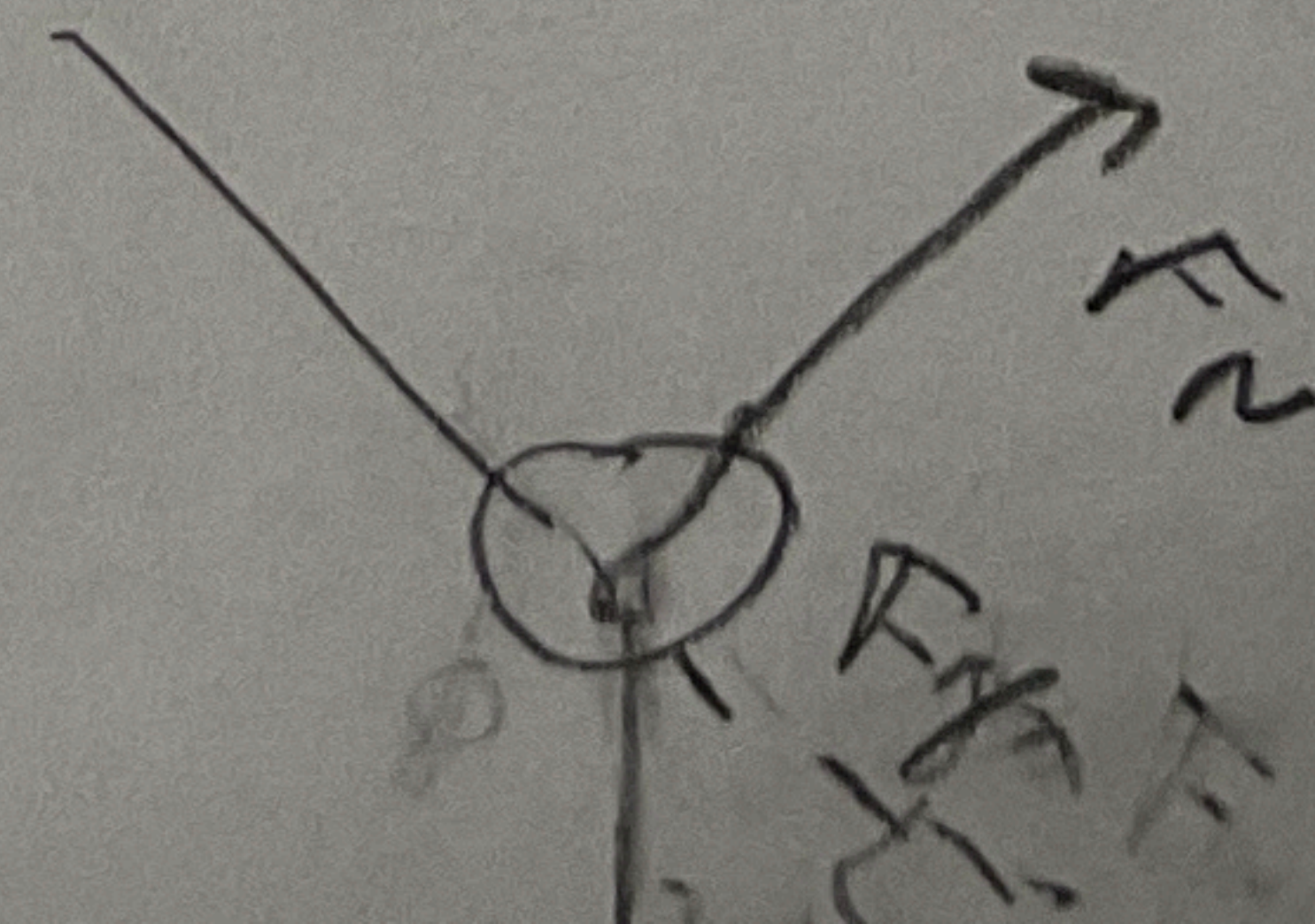$U_k = \frac{1}{2} k \Delta x^2$ $F_{spring} = kx$ $W =$

$W = U_k$

$\frac{1}{2} k \Delta x^2 = F_{spring} \cdot d$

$\frac{1}{2} k \Delta x^2 = kx \cdot x$

$\frac{1}{2} \Delta x^2 = x^2$

$\sqrt{\frac{1}{2} \Delta x^2} = x$

ω_i

10.)

$\tau = r F \sin \theta$ → in conta