**Honors Physical Science: Semester 1 Final Exam Equations PLEASE DO NOT WRITE ON THIS.**

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Unit 1 NONE  
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Unit 2 v=x/t s=d/t a=(vf-vi)/t p=mv Imp=Δp=mΔv=F\*t   
pi = pf  Fg = mg F=G\*m1m2/r2 g=9.8 m/s2 m1v1i + m2v2i = m1v1f + m2v2f\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit 3 W=F\*x KE = 1/2mv2 GPE = mgh GPE + KE = ME

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Unit 4 FC = Kq1q2/d2

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Unit 5 T=1/f f = 1/T v = λ\*f c = 3.00x108 m/s

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