Science 10

**Worksheet – Rearranging Formulas**

Rearrange each equation for the variable in the brackets.

n) d = vit + 1at2 [a]

 2

o) v = $√µr$g [µ]

p) F = mv2 [r]

 r

q) F = mv2 [v]

 r

r) Ft = mvf – mvi [m]

s) fo = v + vo [vo]

 fs v - vs

t) fo = v + vo [vs]

 fs v - vs

u) fo = v + vo [v]

 fs v - vs

v) d = vit + 1at2 [t]

 2

a) p = mv [m]

b) J = Ft [t]

c) d = vt [v]

d) E = mc2 [m]

e) v = fλ [λ]

f) E = mc2 [c]

g) Ek = 1mv2 [m]

 2

h) Es = 1kx2 [x]

 2

i) vf  = vi + at [vi]

j) vf  = vi + at [t]

k) Ft = mvf – mvi [vf]

l) vf2 = vi2 + 2ad [vi]

m) vf2 = vi2 + 2ad [a]