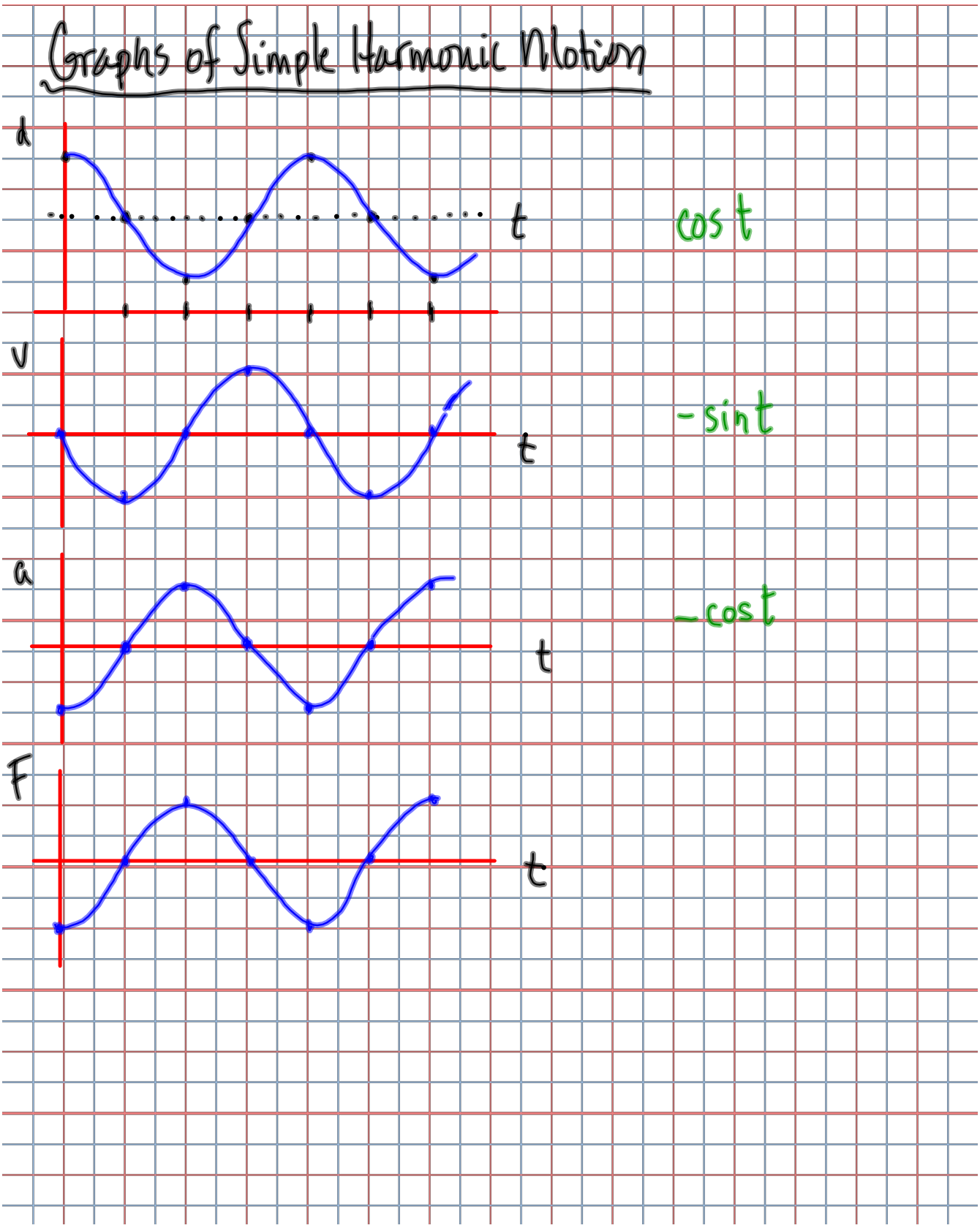
Graphs of Simple Harmonic Motion



Period of a mass on a spring

$$T = 2\pi\sqrt{\frac{m}{k}}$$

Recall: Hooke's Law ($F = -kx$) ← restoring force

$$F_a = kx$$

where F_a is the applied force (N)
k is the spring constant (N/m)
x is the stretch (+) / compression (−) (m)

Period of a Pendulum

$$T = 2\pi\sqrt{\frac{l}{g}}$$

TO DO

1. Read over MP/606
2. PP/608
3. Read over MP/613
4. PP/614

* note $T = 0.775$s not 15.5s as is in solution.