

## Final Review Problems

### 1. How Fast/How Far?

- Hang time
- accelerating object (falling)

### 2. $F = ma$

- Calculate weight
- Calculate net force
- Draw net force diagram

### 3. Momentum

- Elastic collision
- Inelastic collision

### 4. Work and Power

- Lifting an object, find work
- Given time, find power

### 5. Kinetic and Potential energy

- Find kinetic or potential
- Conservation of E, find ending speed, or find starting height

### 6. Specific Heat

- solve for any variable in equation

### 7. Temperature

- Convert to and from F, C, and K

### 8. Waves

- Find frequency, speed, or wavelength
- Find period from frequency or vice versa

### 9. Light

- Find how far, if given time or find how long if given distance

### 10. Circuits

- Ohm's Law
- Finding voltage drop