Momentum problems for class

1. What is the momentum of a running, 4500kg White Rhinoceros moving at 15m/s?

2. That same rhino runs into an immobile savanna tree. The impact lasts 0.07s. How much force did the beast sustain?

3. If this Rhino were to elastically ram a non-moving rhino with a mass of 4000kg, what would it's final velocity be? (Assume same velocity as #1. Rhino 2 has Vf of 4m/s)

4. The rhino then inelastically runs into a stationary Landrover Defender (2200kg), what is their combined velocity after the impact?

5. In this very strange scenario the rhino is shot out of a cannon. A large cannon. The cannon has a mass of 10,00kg and fires the rhino at 600m/s. what is the velocity of the cannon after it is fired?