**10C – RF6 V2 Relations & Functions – Forms of Equations**

**Part I:**

1. Graph each linear relation. State the slope and *y­*-intercept of each.
   1. 
   2. 
   3. 
   4. 

**Part II:**

1. Rewrite the equation in
   1. Slope-Intercept Form
   2. Slope-Point Form
2. An iron horse pump jack starts to pump crude oil into a tank at a constant rate of 1.5 m³/h. After 24 hours, the tank contains 32 cubic meters of oil.
   1. Write an equation that describes the volume, *V*, of oil in the tank after, *t*, hours.
   2. If this type of tank holds a maximum of 170 cubic meters of oil, then how long will it take to fill the tank?
   3. Was the tank empty before it started filling? Explain.

**Part III:**

1. Rewrite the equation in general form.