In the 2nd column, instantiate objects of each class using the constructors listed in the 1st column; then using an object declared with one of the constructors, call the methods listed in the 1st column for each class.

|  |  |
| --- | --- |
| **Constructors** | **Instantiate Class Object** |
| public Water() | Water myWater = new Water(); |
| public Water(double costPerGallon) | Water waterCost = new Water(1.5); |
| public Water(String city, String state) | Water waterCity = new Water(“San Antonio”, “MS”); |
| **Water Class Methods:**  public void setCity()  public void setState()  public String getCity()  public String getState() | **Use the object created with the empty constructor for Water to call the methods on the left:**  myWater.setCity();  myWater.setState();  String cityName = myWater.getCity();  String stateName = myWater.getState(); |
| public FederalIncomeTax() | FederalIncomeTax myFederalIncomeTax = new FederalIncomeTax(); |
| public FederalIncomeTax(int exemptions) | FederalIncomeTax myFederalIncomeTaxExemptions = new FederalIncomeTax(2); |
| public FederalIncomeTax(double netIncome, int exemptions) | FederalIncomeTax myFederalIncomeTaxNet = new FederalIncomeTax(30.5, 3); |
| **FederalIncomeTax Class Methods:**  public void setNetIncome()  public int getExemptions()  public double getNetIncome() | **Use the object created with the 2nd overloaded constructor for FederalIncomeTax to call the methods on the left:**  myFederalIncomeTaxNet.setNetIncome();  int exemptions = myFederalIncomeTaxNet.getExemptions();  double net = myFederalIncomeTaxNet.getNetIncome(); |
| public Electricity() | Electricity myElectricity = new Electricity(); |
| public Electricity(int kilowattHours, double pricePerKWH) | Electricity electricityUnits = new Electricity(50, 31.2); |
| public Electricity(String city, String state) | Electricity electricityLocation = new Electricity (“Houston”, “Texas”); |
| **Electricity Class Methods:**  public void setKilowattHours()  public void setPricePerKWH()  public int getKilowattHours()  public double getPricePerKWH() | **Use the object created with the 3rd (last) overloaded constructor for Electricity to call the methods on the left:**  electricityLocation.setKilowattHours();  electricityLocation.setPricePerKWH();  int hours = electricityLocation.getKilowattHours();  double price = electricityLocation.getPricePerKWH(); |