float mile1, mile2, mile3, mile4;
float gas1, gas2, gas3, gas4;

char R = 'Y';

cout << "Enter first odometer reading: ";
cin >> mile1;
cout << "Enter first gas amount: ";
cin >> gas1;
cout << "Enter next odometer reading: ";
cin >> mile2;
cout << "Enter next gas amount: ";
cin >> gas2;
cout << "Enter next odometer reading: ";
cin >> mile3;
cout << "Enter next gas amount: ";
cin >> gas3;
cout << "Enter next odometer reading: ";
cin >> mile4;
cout << "Enter next gas amount: ";
cin >> gas4;
cout << "Average over last 3 tanks is " << (mile4 - mile1)/(gas2+gas3+gas4);
cout << "Are there more receipts? Y or N: ";
cin >> R;

while (R != 'N'){
    gas1 = gas2; gas2 = gas3; gas3 = gas4;
mile1 = mile2; mile2 = mile3; mile3 = mile4;

    cout << "Enter next odometer reading: ";
cin >> mile4;
cout << "Enter next gas amount: ";
cin >> gas4;
cout << "Average over last 3 tanks is " << (mile4 - mile1)/(gas2+gas3+gas4);
cout << "Are there more receipts? Y or N: ";
cin >> R;
}

return 0;