

**Mathematics 110 – Calculus of one variable**  
Trent University 2003-2004

HOMEWORK SET #3

We will cover all of Chapter 5 . . .

1. §5.1 Exercises # 1, 5, 11, 15, 17, 19, 21
  2. §5.2 Exercises # 3, 5, 7, 9, 17, 19, 21, 23, 25, 27, 29, 31, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 61, 65
  3. §5.3 Exercises # 3, 5, 9, 15, 17, 23, 25, 37, 39, 45, 47, 49, 51, 53, 55, 57, 61
  4. §5.4 Exercises # 1, 3, 5, 9, 13, 17, 19, 23, 27, 29, 33, 37, 45, 49, 53, 55, 57, 61
  5. §5.5 Exercises # 1, 3, 5, 7, 11, 13, 17, 19, 21, 29, 31, 39, 43, 49, 53, 55, 61, 65, 69, 77, 79
  6. §5.6 Exercises # 1, 3  
... and most of Chapter 6.
1. §6.1 Exercises # 1, 3, 5, 9, 17, 21, 25, 27, 31, 41, 45, 47
  2. §6.2 Exercises # 1, 3, 5, 7, 9, 11, 13, 17, 23, 25, 26, 33, 39, 45, 49, 51, 52, 55, 59, 63
  3. §6.3 Exercises # 1, 3, 5, 9, 13, 15, 17, 19, 23, 25, 29, 35, 37, 39, 41, 42, 43, 45
  4. §6.5 Exercises # 3, 7, 9, 13, 17, 21

Those interested in physics should also take a look at §6.4.

**Sonnet xlv**

Euclid alone has looked on Beauty bare.  
Let all who prate of Beauty hold their peace,  
And lay them prone upon the earth and cease  
To ponder on themselves, the while they stare  
At nothing, intricately drawn nowhere  
In shapes of shifting lineage; let geese  
Gabble and hiss, but heroes seek release  
From dusty bondage into luminous air.  
O blinding hour, O holy, terrible day,  
When first the shaft into his vision shone  
Of light anatomized! Euclid alone  
Has looked on Beauty bare. Fortunate they  
Who, though once only and then but far away,  
Have heard her massive sandal set on stone.

*Edna St. Vincent Millay*