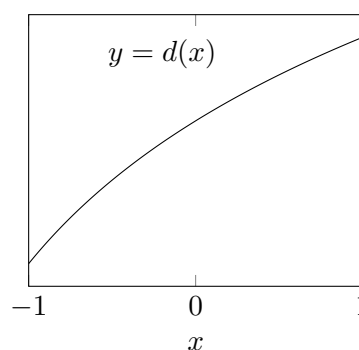
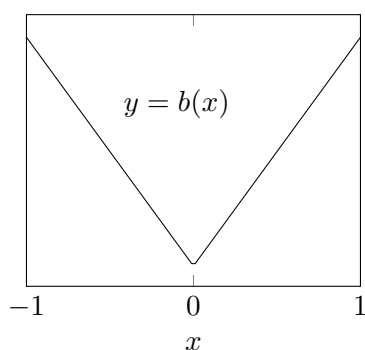
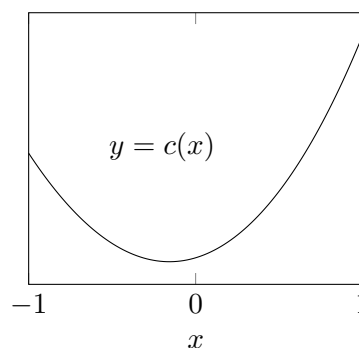
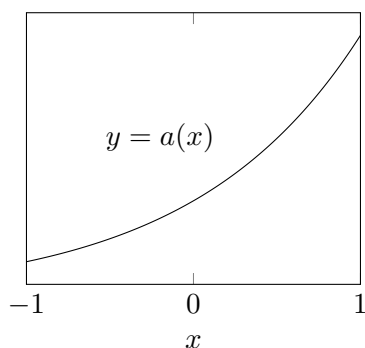


9. [6 points] Below are the graphs of four functions. Note that the vertical scales are not given and may not be the same.



We have calculated LEFT(6), RIGHT(6), TRAP(6), AND MID(6) for the definite integral of each of three of these functions on the interval  $[-1, 1]$ . These estimates are listed below. For each one, circle the corresponding function.

(i)

|          |         |
|----------|---------|
| LEFT(6)  | 1.21875 |
| RIGHT(6) | 1.58496 |
| MID(6)   | 1.40185 |
| TRAP(6)  | 1.29890 |

**Function:**  $a(x)$   $c(x)$   
 $b(x)$   $d(x)$

(ii)

|          |        |
|----------|--------|
| LEFT(6)  | 5.1552 |
| RIGHT(6) | 8.0374 |
| MID(6)   | 5.0882 |
| TRAP(6)  | 6.5963 |

**Function:**  $a(x)$   $c(x)$   
 $b(x)$   $d(x)$

(iii)

|          |       |
|----------|-------|
| LEFT(6)  | 42.00 |
| RIGHT(6) | 42.00 |
| MID(6)   | 42.00 |
| TRAP(6)  | 42.00 |

**Function:**  $a(x)$   $c(x)$   
 $b(x)$   $d(x)$