**Answers to AP Review 1**

1. (a) 

 (b) 4

 (c)  is positive on  and negative on (3, 4) so *g* has its absolute minimum at

 an endpoint. Since , the absolute minimum value is .

 (d) Only at *x* = 1.  changes from increasing to decreasing at *x* = 1. At *x* = 2,

  does not change from increasing to decreasing or vice versa.

2. B 3. A 4. A 5. D

6. (a)  7. D 8. D

 (b)  9. C 10. D

  11. C 12. C

 (c)  13. C

 (d) 4.114

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_