**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

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