

- 12 (i) $\text{Max } f(x) = 2$
 $\text{Min } f(x) = -2$
- (ii) $\text{Max } g(x) = 2$
 $\text{Min } g(x) = -4$
- (iii) 180° or π
- (iv) 720° or 4π
- (vi) 3 solutions

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