

AP Calculus
Warm Up Day 2

Name _____

Date _____

1. Solve: $x^2 - x > 6$

- a) $x < -2$ or $x > 3$ b) $x < -1$ or $x > 6$ c) $x < 3$ or $x > 6$ d) $-2 < x < 3$ e) $-6 < x < 1$

2. $\arcsin 0$ equals

- a) $\frac{\pi}{2}$ b) 1 c) 0 d) $-\frac{\pi}{2}$ e) $\frac{\pi}{6}$

3. Which of the following is equal to $e^{\ln 5 + \ln x}$?

- a) $\log \frac{5}{x}$ b) x^{50} c) 5^{10x} d) e^{5x} e) $5x$

4. If $f(g(x)) = 16x - 39$, $f(x) = 2x + 5$, and $g(x) = ax + b$, then $g(x) =$ _____

- a) $32x - 22$ b) $32x - 5$ c) $16x - 3$ d) $8x - 22$ e) $8x - 5$

5. $5 \sin \frac{11\pi}{6} - 2 \cos \left(-\frac{\pi}{6}\right)$

1.
Answer: a
CodePath: EAS.APC.A.A.5
2.
Answer: c
CodePath: EAS.APC.A.C.15
3.
Answer: e
CodePath: EAS.APC.A.D.4
4.
Answer: d
CodePath: EAS.APC.B.C.18
5.
Answer: $\frac{-5-2\sqrt{3}}{2}$
CodePath: EAS.TRI.O.H.40