

Day 2 : Review for EOC

①

Solve for x : $-\frac{1}{2}|2x + 6| + 2 = 0$

- A $x = 5$ or $x = 1$
- B $x = 5$
- C $x = -5$ or $x = -1$
- D $x = -1$

⑤ Which of the following is a factor of $2x^3 - 8x^2 + 3x - 12$?

- A) $(x+1)$ C) $(x-4)$
- B) $(x-2)$ D) $(x+5)$

⑥ Find the zeros of $y = 2x^3 - 7x^2 + 2x + 3$

- A) $\frac{1}{2}, 1, 3$
- B) $-1, 1, 3$
- C) $-\frac{1}{2}, 1, 3$
- D) $-3, \frac{1}{2}, 1$

② What is the approximate length of the arc on a circle formed by an angle of $\frac{2\pi}{3}$ radians, and a radius of 4.

- A) 4.19 C) 33.51
- B) 8.38 D) 105.27

③ Simplify: $\sqrt{-32}$

- A) $-4\sqrt{2}$ C) $4i\sqrt{2}$
- B) $4\sqrt{2}$ D) $2i\sqrt{4}$

④ Simplify:

$$(3+2i)(2-5i)$$