AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- 1. If $y = x\sqrt{2x+5}$, then y' =
- - $(B) \quad \frac{1}{\sqrt{2x+5}}$

- $\int 2^x dx =$ 2.
- (A) $2^x + C$ (B) $(\ln 2)2^x + C$ (C) $\frac{2^x}{\ln 2} + C$ (D) $\frac{2^{x+1}}{x+1} + C$

3.
$$\lim_{x \to -7} \frac{x+7}{|x+7|}$$
 is (A) -1 (B) 0

(C) 1 (D) nonexistent

4.
$$\int \frac{\left(x^{1/3} - 4\right)^5}{6x^{2/3}} dx =$$

(A)
$$\frac{\left(x^{1/3} - 4\right)^6}{12} + C$$

(B) $\frac{\left(x^{1/3} - 4\right)^6}{6} + C$

(B)
$$\frac{\left(x^{1/3}-4\right)^6}{6}+C$$

(C)
$$\frac{5(x^{1/3}-4)^4}{2}+C$$

(D)
$$3(x^{1/3}-4)^6+C$$

- 1. If $y = x\sqrt{2x+5}$, then y' =

 - (D) $\frac{5x+10}{2\sqrt{2x+5}}$

- $\int 2^x dx =$ 2.

- (A) $2^{x} + C$ (B) $(\ln 2)2^{x} + C$ (C) $\frac{2^{x}}{\ln 2} + C$ (D) $\frac{2^{x+1}}{x+1} + C$

3.
$$\lim_{x \to -7} \frac{x+7}{|x+7|}$$
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- (C) 1
- (D) nonexistent

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(B)
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(C)
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(C)
$$\frac{5(x^{1/3}-4)^4}{2}+C$$

(D)
$$3(x^{1/3}-4)^6+C$$

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