Answer on Question #47145 – Math – Differential Calculus | Equations

Question:

Find f’(x)=x^27

27x^26

x^26

26x^27

27x

Solution:

Apply the power rule:

$$(x^a)' = ax^{a-1}$$

Therefore

$$f'(x) = (x^{27})' = 27x^{27-1} = 27x^{26}$$

Answer: $27x^{26}$.