

Due: Tue, Feb 14, 2017 06:30 PM EST

Question

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

1. Question Details

ABC TangLine V1 slope-int form mod1 [2644848]

Find the equation for the line tangent to the curve $y = -3 + x^3$ at $x = 2$. Give your answer in *slope-intercept* form.

2. Question Details

ABC trig_inverse arctan [2639320]

Find the exact value of:

(a) $\arctan(-\sqrt{3})$

(Enter your answer in radians.)

3. Question Details

ABC SPECIAL 3 - Q3 V1 [2694586]

Solve for z :

$$\frac{2z+3}{z} = 4.$$

$z =$

4. Question Details

ABC complete_square V1 [2599922]

Rewrite by completing the square:

$y^2 + 10y + 21 =$

5. Question Details

ABC SPECIAL 3 - Q5 v1 [2694587]

Find the exact value of:

$\cos\left(\frac{-\pi}{2}\right) =$

6. Question Details

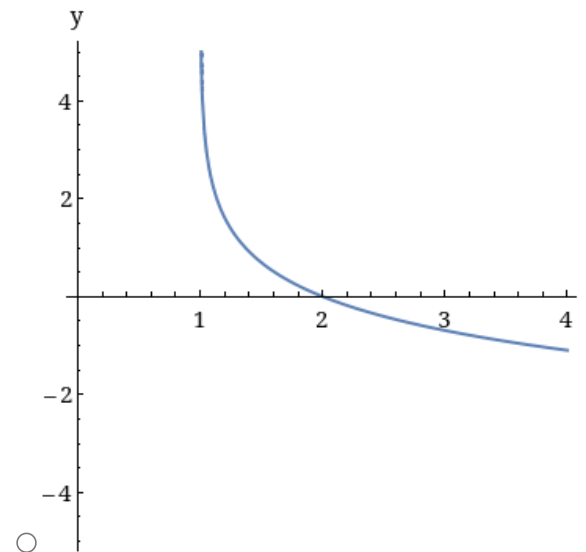
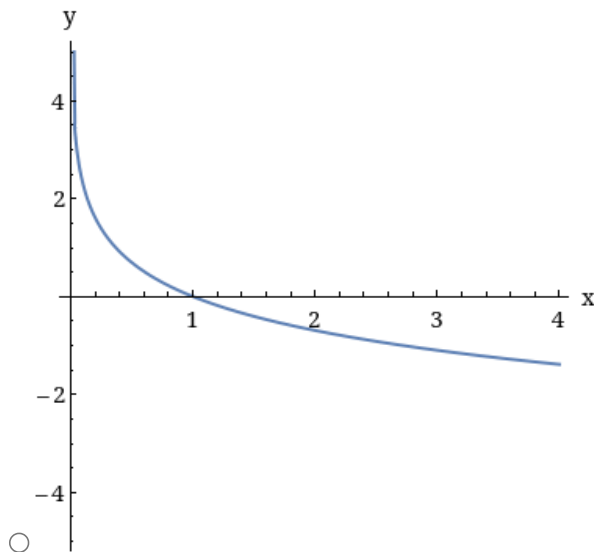
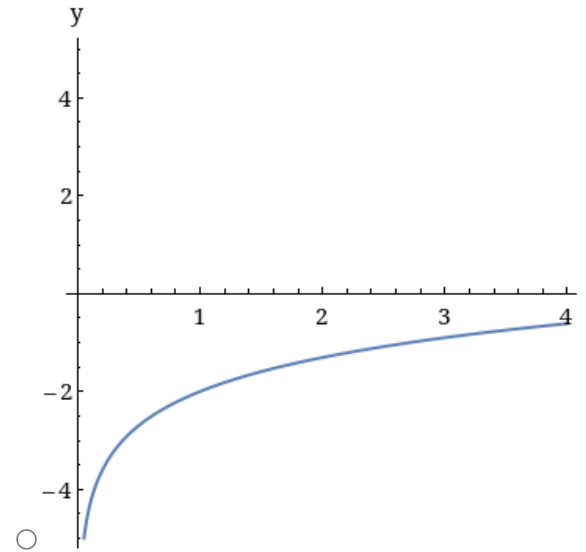
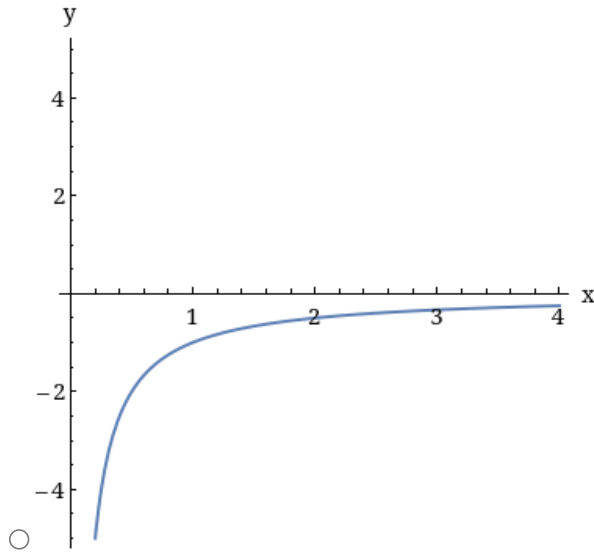
ABC explog/natural V1 Rev1 (med) [2654245]

Simplify as far as you can :

$$\ln(9x^3) - \ln(9x^2)$$

7. Question Details

ABC SPECIAL 2 Q7 [2690957]

Which graph shows the function $y=f(x) = -\ln(x)$ 

8. Question Details

ABC SPECIAL 3 Q8 V1 [2694588]

Solve for q :

$$\log_{10}(q+2) = 1.$$

$$q = \text{[input box]}$$

9. Question Details

ABC SPECIAL Q9 V1 [2679364]

If $f(s) = -2s^4 + 2s^2 + 8s + 3$,
then find the derivative

$$f'(s) = \text{[input box]}$$

10. Question Details

ABC SPECIAL 3 Q10 V1 [2694589]

If $f(s) = 3\sin(s)$,
then find the derivative

$$f'(s) = \text{[input box]}$$

11. Question Details

ABC SPECIAL 3 Q11 V1 [2694590]

If $y = 5e^{4x}$,
then find the derivative

$$\frac{dy}{dx} = \text{[input box]}$$

12. Question Details

ABC SPECIAL 3 Q12 V1 [2694591]

If $y = \ln(x^6)$,
then find the derivative

$$\frac{dy}{dx} = \text{[input box]}$$

13. Question Details

ABC SPECIAL 3 Q13 V1 [2694592]

Find the derivative of $f(x) = \sqrt{x}(3+e^x)$.

$$f'(x) = \text{[input box]}$$

14. Question Details

ABC SPECIAL 3 Q14 V1 [2694593]

Find the derivative of $f(x) = \frac{3-1x}{\sin x}$.

$$f'(x) = \text{[input box]}$$

15. Question Details

ABC SPECIAL 3 Q15 V1 [2694594]

Find the derivative of $f(x) = \frac{x^3}{\cos(x)}$.

$$f'(x) = \boxed{}$$

16. Question Details

ABC aderiv 2.0 V3 (sqrt) [2694595]

Find a function $f(t)$ whose derivative is:

$$f'(t) = \sqrt{t} + 2t^2.$$

$$f(t) = \boxed{} + C.$$

17. Question Details

ABC SPECIAL 3 Q17 V1 [2694598]

Evaluate the indefinite integral:

$$\int \sin(4x+3) dx = \boxed{} + C.$$

18. Question Details

ABC SPECIAL 3 Q18 V1 [2694599]

Evaluate the indefinite integral:

$$\int \frac{2x^2}{x^3+5} dx = \boxed{} + C.$$

19. Question Details

ABC SPECIAL 3 Q19 V1 [2694600]

Evaluate the definite integral:

$$\int_0^3 x^2 + 2 dx = \boxed{}.$$

20. Question Details

ABC SPECIAL 3 Q20 V1 [2694601]

Evaluate the definite integral:

$$\int_0^{\pi/3} \cos(2x) dx = \boxed{}.$$

Assignment Details