

Current Score: 0/20 Due: Tue Jan 15 2019 06:59 PM EST

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Total	
Points	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/20

1. 0/1 points

ABC TangLine V1 slope-int form mod1 [2644848]

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

2. 0/1 points

ABC trig_inverse arctan [2639320]

Find the exact value of:

(a) $\arctan\left(\frac{-1}{\sqrt{3}}\right)$

(Enter your answer in radians.)

3. 0/1 points

ABC SPECIAL 3 - Q3 V1 [2694586]

Solve for p :

$$\frac{4p+4}{p} = -2.$$

$p =$

4. 0/1 points

ABC complete_square V1 [259922]

Rewrite by completing the square:

$s^2 - 4s =$

5. 0/1 points

ABC SPECIAL 3 - Q5 v1 [2694587]

Find the exact value of:

$\cos\left(\frac{-\pi}{4}\right) =$

6. 0/1 points

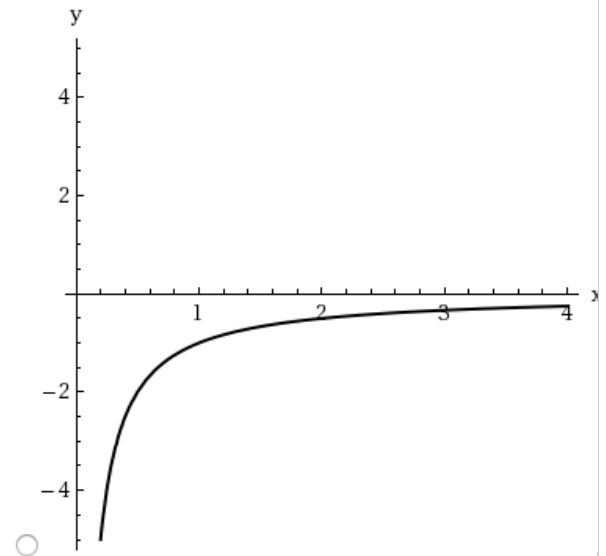
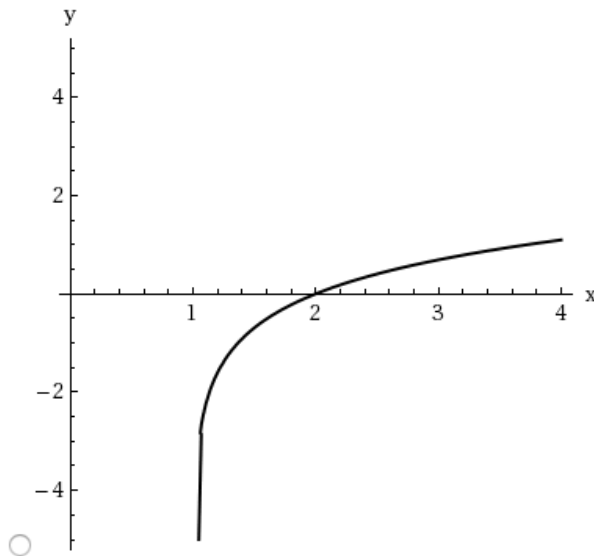
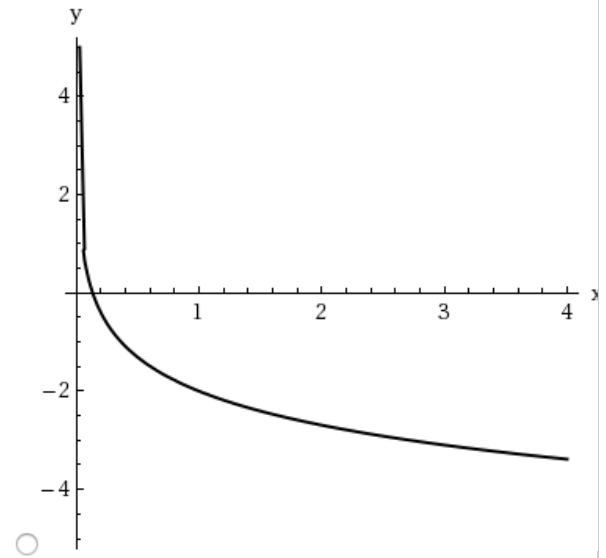
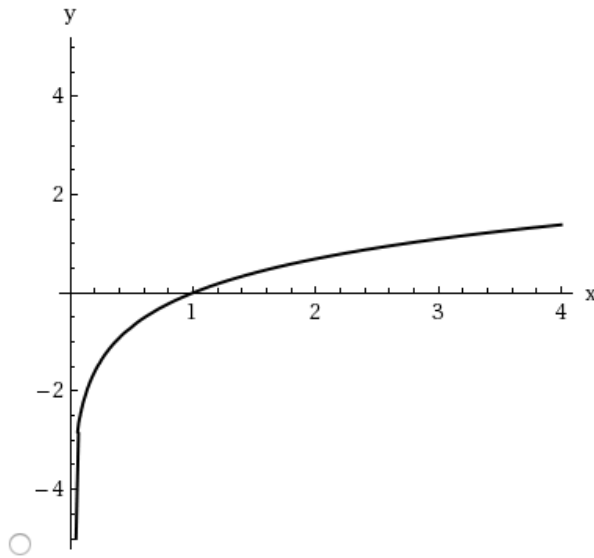
ABC explog/natural V1 Rev1 (med) [2654245]

Simplify as far as you can :

$$\ln(8x) - \ln(2x^3)$$

7. 0/1 points

ABC SPECIAL 2 Q7 [2690957]

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

8. 0/1 points

ABC SPECIAL 3 Q8 V1 [2694588]

Solve for t :

$$\log_{10}(t+3) = 1.$$

$t =$

9. 0/1 points

ABC SPECIAL Q9 V1 [2679364]

If $f(s) = -2s^4 - 5s^2 + 3s + 3$,
then find the derivative

$f'(s) =$

10. 0/1 points

ABC SPECIAL 3 Q10 V1 [2694589]

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

$f'(t) =$

11. 0/1 points

ABC SPECIAL 3 Q11 V1 [2694590]

If $y = 3e^{4x}$,
then find the derivative

$\frac{dy}{dx} =$

12. 0/1 points

ABC SPECIAL 3 Q12 V1 [2694591]

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

$\frac{dy}{dx} =$

13. 0/1 points

ABC SPECIAL 3 Q13 V1 [2694592]

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

$f'(x) =$

14. 0/1 points

ABC SPECIAL 3 Q14 V1 [2694593]

Find the derivative of $f(x) = \frac{4-3x}{\sin x}$.

$f'(x) =$

15. 0/1 points

ABC SPECIAL 3 Q15 V1 [2694594]

Find the derivative of $f(x) = \frac{x^4}{\cos(x)}$.

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

16. 0/1 points

ABC aderiv 2.0 V3 (sqrt) [2694595]

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

$$f'(x) = \sqrt{x} + 4\cos(x).$$

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

17. 0/1 points

ABC SPECIAL 3 Q17 V1 [2694598]

Evaluate the indefinite integral:

$$\int \sin(2t+2) dt = \boxed{} + C.$$

18. 0/1 points

ABC SPECIAL 3 Q18 V1 [2694599]

Evaluate the indefinite integral:

$$\int \frac{2t^2}{t^3+5} dt = \boxed{} + C.$$

19. 0/1 points

ABC SPECIAL 3 Q19 V1 [2694600]

Evaluate the definite integral:

$$\int_1^3 x^2+2 dx = \boxed{}.$$

20. 0/1 points

ABC SPECIAL 3 Q20 V1 [2694601]

Evaluate the definite integral:

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

Assignment Details