

Instructions for using this template.

- Remember this is Jeopardy, so where I have written “Answer” this is the prompt the students will see, and where I have “Question” should be the student’s response.
- To enter your questions and answers, click once on the text on the slide, then highlight and just type over what’s there to replace it. If you hit Delete or Backspace, it sometimes makes the text box disappear.
- When clicking on the slide to move to the next appropriate slide, be sure you see the hand, not the arrow. *(If you put your cursor over a text box, it will be an arrow and WILL NOT take you to the right location.)*

Jeopardy

Choose a category.
You will be given the answer.
You must give the correct
question.

[Click to begin.](#)

Calculus Jeopardy

Choose a point value.

[Click here for
Final Jeopardy](#)

Chained Down	I am the captain	Limits	Implicit	FTC	Potpourri
<u>10 Point</u>	<u>10 Point</u>	<u>10 Point</u>	<u>10 Point</u>	<u>10 Point</u>	<u>10 Point</u>
<u>20 Points</u>	<u>20 Points</u>	<u>20 Points</u>	<u>20 Points</u>	<u>20 Points</u>	<u>20 Points</u>
<u>30 Points</u>	<u>30 Points</u>	<u>30 Points</u>	<u>30 Points</u>	<u>30 Points</u>	<u>30 Points</u>
<u>40 Points</u>	<u>40 Points</u>	<u>40 Points</u>	<u>40 Points</u>	<u>40 Points</u>	<u>40 Points</u>
<u>50 Points</u>	<u>50 Points</u>	<u>50 Points</u>	<u>50 Points</u>	<u>50 Points</u>	<u>50 Points</u>

$$\frac{d}{dx} [e^{\cos x}]$$

What is
 $-\sin x e^{\cos x}$

$$\frac{d}{dx} [\ln(2x-1)]$$

What is

$$\frac{2}{2x-1}$$

$$\frac{d}{dx} [\sin(\ln x)]$$

What is
$$\frac{\cos(\ln x)}{x}$$

$$\frac{d}{dx} [(3x - 7)^{11}]$$

What is

$$33(3x - 7)^{10}$$

$$\frac{d}{dx} \sqrt{\sin^2 x + \cos^2 x}$$

What is 0?

$$\int 3(3x - 7)^{57} dx$$

What is

$$\frac{1}{58} (3x - 7)^{58} + C$$

$$\int e^{3x+7} dx$$

What is

$$\frac{1}{3} (e^{3x+7}) + C$$

$$\int \sqrt{3x+7} \, dx$$

What is

$$\frac{2}{9} (3x+7)^{\frac{3}{2}} + C$$

$$\int \frac{3 dx}{3x + 7}$$

$$\ln |3x + 7| + C$$

$$\int \sec^2(3x + 7) dx$$

What is

$$\frac{1}{3} \tan(3x + 7) + C$$

$$\lim_{x \rightarrow 3} \frac{x^2 - 9}{x - 3}$$

What is 6?

$$\lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$$

What is $f'(x)$?

$$\lim_{x \rightarrow \infty} \frac{3 - 5x + 7x^2}{2x - 3x^2}$$

What is

$$\frac{-7}{3}$$

$$\lim_{x \rightarrow 0^+} \ln x$$

What is

$$-\infty$$

$$\lim_{h \rightarrow 0} \frac{\tan\left(h + \frac{\pi}{4}\right) - \tan\left(\frac{\pi}{4}\right)}{h}$$

What is 2?

$$\frac{d}{dx} [x^2 + y^2 = 3^2]$$

What is

$$2x + 2y \frac{dy}{dx} = 0$$

$$\frac{d}{dx} [2xy + 2 = 2]$$

What is

$$2y + 2x \frac{dy}{dx} = 0$$

$$\frac{d}{dt} [\pi r^2]$$

What is

$$2 \pi r \frac{dr}{dt}$$

$$\frac{d}{dt} [x^2 + y^2 = d^2]$$

What is

$$2x \frac{dx}{dt} + 2y \frac{dy}{dt} = 2d \frac{dd}{dt}$$

$$\frac{d}{dt} [\pi r^2 h]$$

What is

$$2\pi r h \frac{dr}{dt} + \pi r^2 \frac{dh}{dt}$$

$$\frac{d}{dx} \int_1^x \ln t \, dt$$

What is

$\ln x$

$$\frac{d}{dx} \int_0^{2x} e^t dt$$

What is

$$2e^{2x}$$

$$\frac{d}{dx} \int_x^2 \frac{1}{t} dt$$

What is

$$\frac{-1}{x}$$

$$\frac{d}{dx} \int_3^{x^4} \cos(5t^2) dt$$

What is

$$4x^3 \cos(5x^8)$$

$$\frac{d}{dx} \int_{\pi}^{\sin x} \tan t \, dt$$

What is

$$\cos x [\tan (\sin x)]$$

**The mode that
your TI should be
in for this class**

**What is “radian”
mode**

**The official date of
“Pi Day”**

**What is March
14th**

**What the “AP”
stands for**

**What is Advanced
Placement**

$$|v(t)|$$

What is speed

**A person who keeps
making the same
mistake**

**What is a
chucklehead**

Final Jeopardy

Make your wager

**The name of the
doll in Calculus,
the Musical**

**What was “Little
Isaac”**