

Create your own BINGO card by writing the following answers in any order in the blank card below (cross off each one as you go). You can have one FREE space, but it can NOT be located in the center of the card. Show all work on a separate sheet of paper.. GOOD LUCK!

$2x - 2x^{-3}$ (12)	$\frac{19}{3x-2}$ (13)	$\frac{1}{2} - \frac{1}{2x^2}$ (1)	$-(2 + 2x^3)$ (11)	$8x + 12$ (11)
$3(x^2 + 3x)^2$	$5x^4 - 2x$ (13)	$2x(3x^2)$	$(x+1)^{-2}$	$8x^3 + 16x$ (6)
$3x^2 - 8x - 3$ (9)	$2x + x^{-2}$	$\frac{-4x}{(x^2-1)^2}$	$12x - 7$	$-\frac{2}{3}\left(\frac{1}{x^2} + \frac{1}{x^3}\right)$ (15)
$15(x^2 - x^4)$ (10)	$3x^2 - 6x$ (4)	$2x(1-x^2)^{-2}$	$-\frac{5}{3x^2}$ (5)	$1$ (8)
$12x + 13$ (2)	$\frac{-2}{3\sqrt{x^5}}$ (15)	$2x + 1$ (7)	$2\left(x + \frac{1}{x}\right)$	$-\frac{2}{x^2}$ (3)

↓ DERIVATIVES ↓

↑ ANSWERS ↑

\*Please note\* There are only 15 functions, so there'll be 10 extra answers

↓ FUNCTIONS ↓

- √1)  $y = \frac{x^2+1}{2x}$
- √2)  $y = (3x-1)(2x+5)$
- √3)  $y = \frac{2}{x} + 1$
- √4)  $y = x^3 - 3x^2 + 2$
- 5)  $y = \frac{2x+5}{3x}$
- √6)  $y = (2x^2+2)(x^2+3)$
- √7)  $y = (x-2)(x+3)$
- √8)  $y = \frac{x^2-1}{x-1}$
- √9)  $y = x^3 - 4x^2 - 3x$
- √10)  $y = 5x^3 - 3x^5$
- √11)  $y = (2x+3)^2$
- √12)  $y = (x+x^{-1})^2$
- √13)  $y = x^2(x^3-1)$
- √14)  $y = \frac{2x+1}{3x^2}$
- √15)  $y = \frac{\sqrt[3]{x}}{x}$