

Answer => $\frac{5}{2x^2}$

Card A

Differentiate

$3x$

**Find your answer on
another card**

Answer => $-2x^{-3} - 5x^4$

Card B

Differentiate

$\frac{4x^3}{3} - \frac{3}{2x^2}$

**Find your answer on
another card**

Answer => $4x^3$

Card C

Differentiate

$10x^4$

**Find your answer on
another card**

Answer => $40x^3$

Card D

Differentiate

$5x^2 + \sqrt{x}$

**Find your answer on
another card**

Answer => $-\frac{6}{x^7}$

Card E

Differentiate

$x^8 + x^6$

**Find your answer on
another card**

Answer => $4x^2 - 3x$

Card F

Differentiate

$8x^3 + 7x$

**Find your answer on
another card**

Answer => 3

Card G

Differentiate

$2x^{0.5}$

**Find your answer on
another card**

Answer => $8x^7 + 6x^5$

Card H

Differentiate

$3x^{-6}$

**Find your answer on
another card**

Answer => $10x + \frac{1}{2\sqrt{x}}$

Card I

Differentiate

$x^{-2} - x^5$

**Find your answer on
another card**

Answer => $\frac{3}{2}x^{\frac{2}{3}}$

Card J

Differentiate

$5\sqrt[4]{x^2}$

Find your answer on another card

Answer => $\frac{1}{2\sqrt{x}} + 3$

Card K

Differentiate

$9x^{-0.5}$

Find your answer on another card

Answer => $\frac{1}{\sqrt{x}}$

Card L

Differentiate

$\sqrt[3]{x} + 3x$

Find your answer on another card

Answer => $24x^2 + 7$

Card M

Differentiate

$9\sqrt[3]{x}$

Find your answer on another card

Answer => $35x^4$

Card N

Differentiate

$\frac{1}{x^6}$

Find your answer on another card

Answer => $-18x^{-7}$

Card O

Differentiate

$x^4 + 20)$

Find your answer on another card

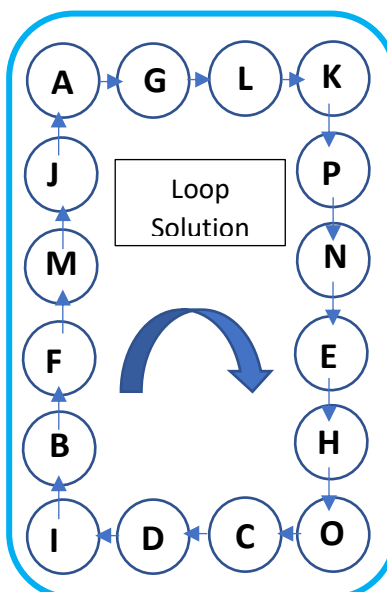
Answer => $-\frac{9}{2}x^{\frac{3}{2}}$

Card P

Differentiate

$7x^5 - 4$

Find your answer on another card



Instructions

Whole Class Activity:

Teacher

- Print and cut the cards out
- Place the cards around the classroom

Student

- Start at the closest card, record the letter
- Solve the card and find the answer around the classroom, record the new letter, solve and move on
- Complete the loop

Individual Activity:

- Print and cut out the cards
- Turn over the solution
- Shuffle the cards
- Starting with current card, record the card letter and solve it
- Find the next card with the solution on it and record the letter.
- Repeat step 4,5 until you reach your starting card.