```
To hear and view this Pencast PDF on your computer,
                         Rample, clippered gente later various stobe leader epresentation
                                                                                          for f(x) = \frac{x^3}{(1-2x)^2} and
                                                                                     descrime the radius of convegues.
                         Solution: D

| X

| X | X
                                                                            = \sum_{i=1}^{\infty} (2x)^{i}, |2x| \leq 1
                                                                                              = \frac{2}{2} \frac{2^{n}}{\sqrt{2}}, \quad |X| < \frac{1}{2}
(R = \frac{1}{2})
                                                                                                               = \frac{d}{dx} \left( \sum_{n=0}^{\infty} 2^n \times n \right)
                                                                                                                  = \sum_{n=0}^{\infty} 2^{n}, ol(x^{n})
= \sum_{n=0}^{\infty} 2^{n}, n \cdot x
                                                                                                                              = 1 \sum_{n=1}^{\infty} 2^{n} \cdot n \cdot x^{n-1}
                                                                                                                             = \frac{n}{2} \frac{n}{n} \frac{1}{x} \frac{n}{x} \frac{1}{x} \frac{
f(x) = x^{3} = x^{3} \left( \sum_{n=1}^{\infty} 2^{n-1} n \cdot x^{n-1} \right)
                                                                                                                                                     = \frac{8}{2} \cdot \frac{n-1}{2} \cdot \frac{n-1}{2} \cdot \frac{3}{2}
                                                                                                                                                         = \sum_{n=1}^{\infty} 2^{n-1} \cdot n \cdot \times n + 2 \cdot \left( R = \frac{1}{2} \right).
```