6)
$$f(x) = 8x$$

6) $f(x) = 8x$

= 18x + 0 Derwadn.

$$f(x) = 10x^{3} \qquad \lim_{h \to 0} \frac{f(x+h) - f(x)}{h} \qquad \qquad f(x+h) - f(x)$$

$$\lim_{h \to 0} \frac{10(x+h)^{3} - (0x^{2})}{h} \qquad \int_{0}^{\infty} (x) = kx^{n}$$

$$\lim_{h \to 0} \frac{10(x^{2} + 2y + h + 2)^{2} - 10x^{2}}{h} \qquad \int_{0}^{\infty} (x) = kx^{n}$$

$$\lim_{h \to 0} \frac{10x^{2} + 2y + h + (0x^{2} - 10x^{2})}{h} \qquad \int_{0}^{\infty} (x) = kx^{n}$$

$$\lim_{h \to 0} \frac{10x^{2} + 2y + h + (0x^{2} - 10x^{2})}{h} \qquad \int_{0}^{\infty} (x) = kx^{n}$$

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$$\lim_{h \to 0} \frac{10x^{2} + 2y + h + (0x^{2} + 10x^{2})}{h} \qquad \int_{0}^{\infty} (x) = kx^{n}$$

$$\lim_{h \to 0} \frac{10x^{2} + 2y + h + (0x^{2} + 10x^{2} + 10x^{$$

 $\lim_{N\to\infty} 18x + 9(0) + 20x + 10(0) + 24x^2 + 24x(0) + 8(0)^2$ $= 18x + 0 + 20x + 0 + 24x^2 + 0 + 0 = 18x + 20x + 24x^2$ Fundas.

$$f(x) = \sqrt{x^2 - 8x + 9} \qquad f'(x) = 2x - 8$$

$$\lim_{h \to 0} \frac{f(x+h) - f(x)}{h} \qquad \lim_{h \to 0} \frac{\left[(x+h) - f(x) - f(x) \right]}{h}$$

$$\lim_{h\to 0} \frac{\int (x+h) - \int (x)}{h}$$

$$\lim_{h\to 0} \frac{\left[(x+h)^2 - 8(x+h) + 9 \right] - \left[x^2 - 8x + 9 \right]}{h}$$

$$f(x) = x^{2} - 1 \int f(z) - (z)^{2} - 1 = 3$$

$$f(z+y) = (z+y)^{2} - 1 = 4 + 2y + y^{2} - 1$$

$$\lim_{h \to 0} \frac{f(x+h)^{2} - 1}{h} - \frac{1}{h^{2}} - \frac{1}{h^{2}}$$

$$\lim_{h \to 0} \frac{(x+h)^{2} - 1}{h} - \frac{1}{h^{2}} - \frac{1}{h^{2}}$$

$$\lim_{h \to 0} \frac{x^{3} + 2xh + h^{2}}{h} - \frac{1}{h^{2}} - \frac{1}{h^{2}}$$

$$\lim_{h \to 0} \frac{2xh' + h^{2}}{h} = \frac{1}{h^{2}} - \frac{1}{h^{2}}$$

$$\lim_{h \to 0} \frac{x^{3} + 2xh + h^{2}}{h} = \frac{1}{h^{2}} - \frac{1}{h^{2}}$$

$$\lim_{h \to 0} \frac{x^{3} + 2xh + h^{2}}{h} = \frac{1}{h^{2}} - \frac{1}{h^{2}}$$

$$\lim_{h \to 0} \frac{x^{3} + 2xh + h^{2}}{h} = \frac{1}{h^{2}} - \frac{1}{h^{2}}$$