8.
$$f'(x) = -9x^2 + 6x$$

$$\Delta = 36 - h \times (-3) \times 0 = 36$$

$$\overline{}$$

$$x_1 = \frac{-6-6}{-18} = \frac{-12}{-18} = \frac{2}{3}$$
 $x_2 = \frac{-6+6}{-18} = 0$

$$x_2 = \frac{-6+6}{-18} = 0$$

x	- 90	0	7/3	, +∞
f'	_	Ø	+ 0	_
<i>t</i>	† P 7	f(o) '	P(3)	-8

$$f\left(\frac{2}{3}\right) = 3\left(\frac{2}{3}\right)^{2} - 3\left(\frac{2}{3}\right)^{3} = 3 \times \frac{4}{9} - 3 \times \frac{8}{27} =$$

$$= \frac{12}{9} - \frac{24}{27} = \frac{36 - 24}{27} = \frac{12}{27} = \frac{4}{9}$$