

8. Complete the statements to describe the key characteristics of a cubic function.

increase	a local maximum	3
all real numbers ≥ 0	all real numbers	decrease
no minimum value	a local minimum	no maximum value

A cubic function	is a polynomial function of degree	. A cubic function has
domain	and range	. Some cubic functions always
	, like $f(x) = x^3$ . Some cubic fu	nctions always ,
like $f(x) = -x$	3. Some cubic functions	, then decrease, then
	. Some cubic functions	, then
	, then decrease. Some cubic fur	nctions, like $f(x) = x^3$ and $f(x) = -x^3$ ,
have	or	. Other cubic functions may have
	and .	