

$$(x-8)(x^2+8x+16)$$
$$-7 \mid x^3$$

⑥  $g(x) = -7(x-8)(x+4)^2$

$n = 3$  odd  $\uparrow$   
LC:  $-7$  negative  $\downarrow$

$$-7(x-8)(x+4)^2 = 0$$

~~$-7 = 0$~~  OR  $x-8 = 0$  OR  $(x+4)^2 = 0$

$x = 8$        $x+4 = 0$   
 $x = -4$

zero	Multiplicity	touch/cross
8	1	cross
-4	2	touch/turn around.

