

⑦ Sketch the following graphs:

$$a) f(x) = \begin{cases} \sin x, & x \geq 0 \\ -x, & x < 0 \end{cases}$$

$$b) f(x) = \lfloor \lfloor x - 1 \rfloor \rfloor$$

$$c) f(x) = \begin{cases} \sqrt{x+2}, & x \geq -2 \\ x+2, & x < -2 \end{cases}$$

d) Demonstrate graphically
"Park your car"

\$ 3.00 for up to 6 hours

\$.50 each add hour.

⑧ The value of a building lot on Galiano Island is jointly proportional to its area and the quantity of water produced by a well on the property. A 200' by 300' lot has a well producing 10 gallons of water per minute, and is valued at \$48,000. What is the value of a 400' by 400' lot if its well produces only 4 gallons of water per minute?