

DOMAIN

ALL REAL NUMBERS
EXCEPT:

1. ONES THAT CAUSE
A ZERO IN DENOMINATOR

#3 $H(x) = |x-2|$



#4 a) $D: (-\infty, \infty)$
 $R: (-\infty, \infty)$

b) x -int: 4 or (4, 0)
 y -int: 2 or (0, 2)

c) ZEROS: WHERE THE GRAPH TOUCHES X-AXIS
(4)

#6 a) $D: (-\infty, 4]$
 $R: (-\infty, 7]$

b) x -int: -2, 4
 y -int: 7

c) ZEROS: -2, 4

#7 a) $f(\underline{-6}) = \underline{\quad}$
 $\downarrow \quad \quad \downarrow$
 $x = -6 \quad y = ?$

#1 $f(x) = -2x - 5$
($-\infty, \infty$)

#2 $H(x) = \frac{x-7}{3x-1}$

① SET DENOM. EQUAL TO ZERO AND SOLVE

$$3x-1=0$$

$$3x=1$$

$$x = \frac{1}{3}$$

② PUT SLASH THEN EQUALS

$$x \neq \frac{1}{3}$$

$$(-\infty, \frac{1}{3}) \cup (\frac{1}{3}, \infty)$$

#5 a) $D: (-\infty, \infty)$
 $R: (-\infty, 9]$

b) x -int: -2, 4
 y -int: 8

c) ZEROS: -2, 4