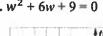
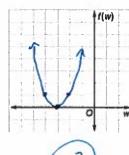
## 9-2 Solving Quadratic Equations by Graphing HOMEWORK raphing. $(\omega+3)^2=6$ 2. $w^2+6w+9=0$ 3. $b^2-3b+4$

Solve each equation by graphing.

1. 
$$x^2 - 5x + 6 = 0$$
 (×-3)(×-7)

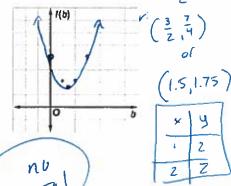
$$2. w^2 + 6w + 9 = 0$$





3. 
$$b^2 - 3b + 4 = 0$$

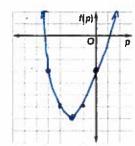




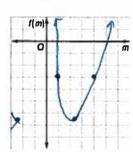
V: (2.5,-25)

Solve each equation by graphing. If integral roots cannot be found, estimate the roots to the nearest tenth.

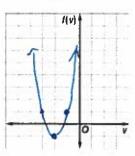
$$4. p^2 + 4p = 3$$



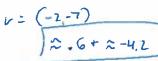
5.  $2m^2 + 5 = 10m$ 



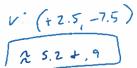
6.  $2v^2 + 8v = -7$ 



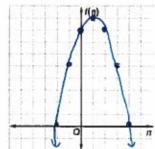
72+4p-3=0



Zn2-10m+5=0



- 7. NUMBER THEORY Two numbers have a sum of 2 and a product of -8. The quadratic equation  $-n^2 + 2n + 8 = 0$  can be used to determine the two numbers.
  - a. Graph the related function  $f(n) = -n^2 + 2n + 8$  and determine its x-intercepts. 4+-7
  - b. What are the two numbers?



V: (1,9)