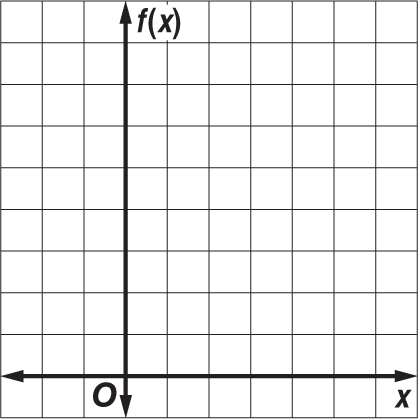
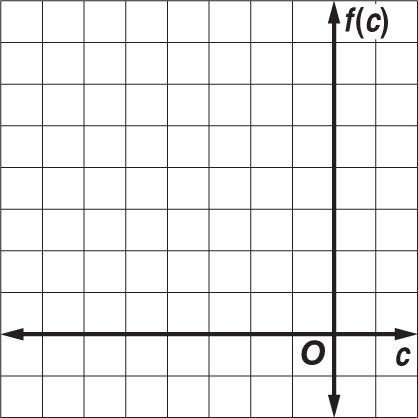
**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

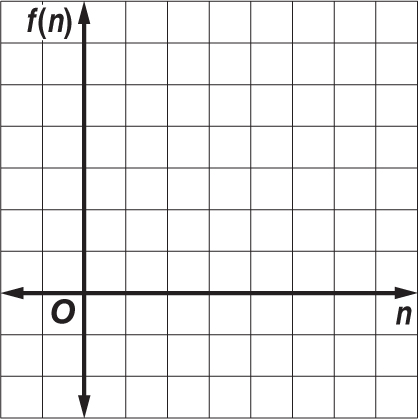
**9-2 *Solving Quadratic Equations by Graphing*** *PRACTICE*

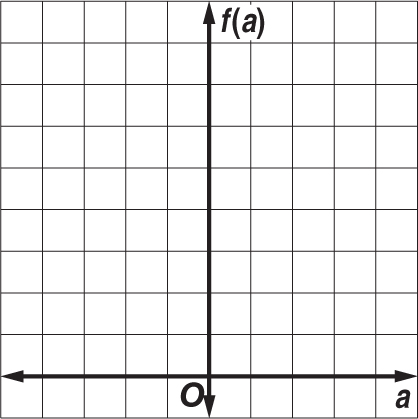
**Solve each equation by graphing.**

**1.**  – 2*x* + 3 = 0 **2.**  + 6*c* + 8 = 0

Follow this QR code for videos on how to perform each one of these problems.

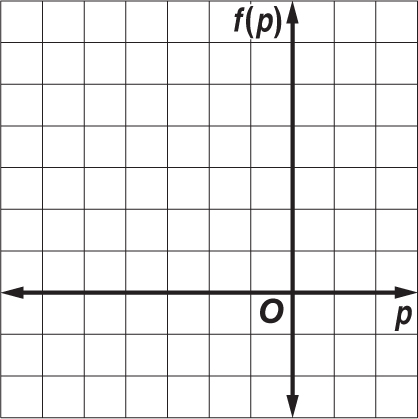
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** 3.**  – 2*a* = –1 **4.**  – 7*n* = –10

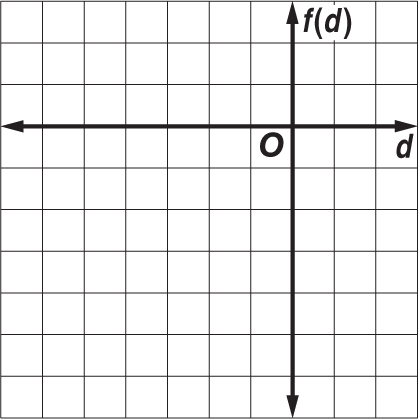
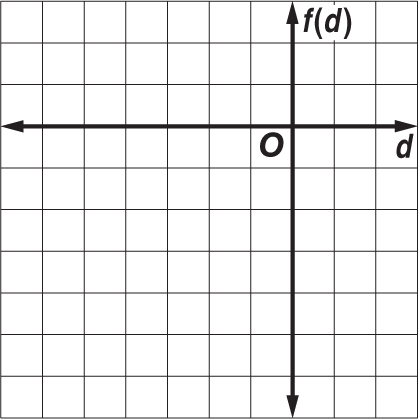
****

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

**5.**  + 4*p* + 2 = 0 **6.**  + *x* – 3 = 0

****

**7.**  + 6*d* = –3 **8.**  + 1 = 4*h*

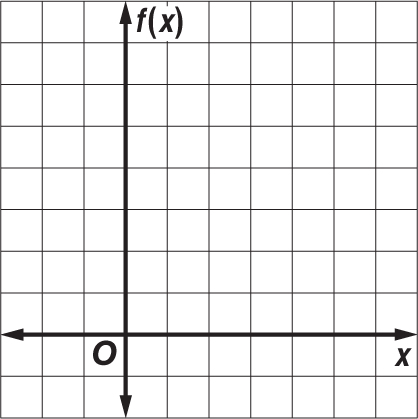
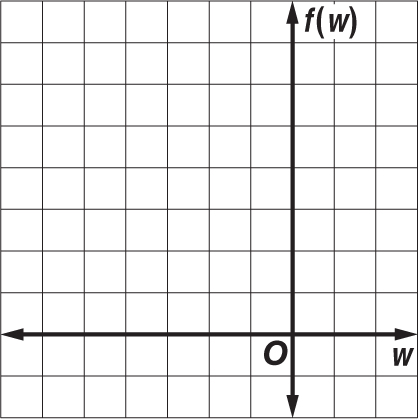
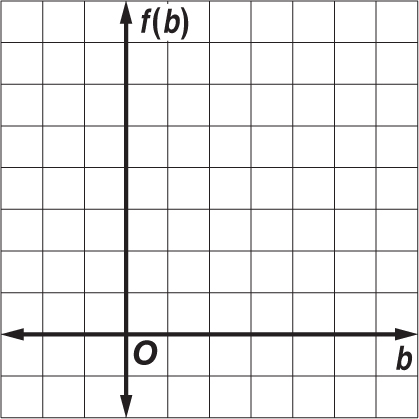


**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**9-2 *Solving Quadratic Equations by Graphing*** *HOMEWORK*

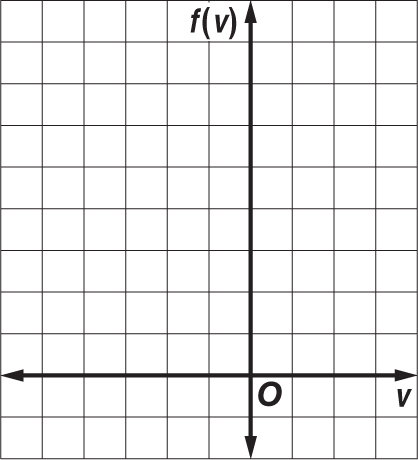
**Solve each equation by graphing.**

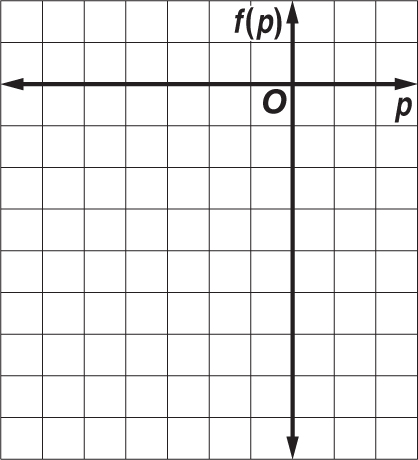
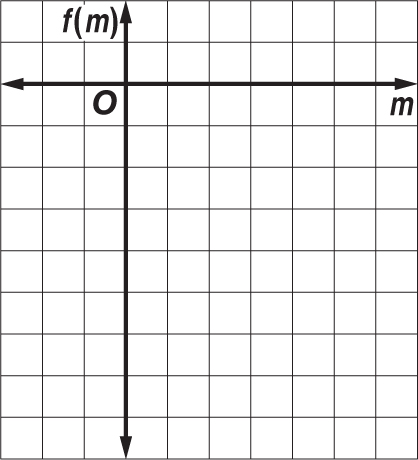
**1.**  – 5*x* + 6 = 0 **2.**  + 6*w* + 9 = 0 **3.**  – 3*b* + 4 = 0

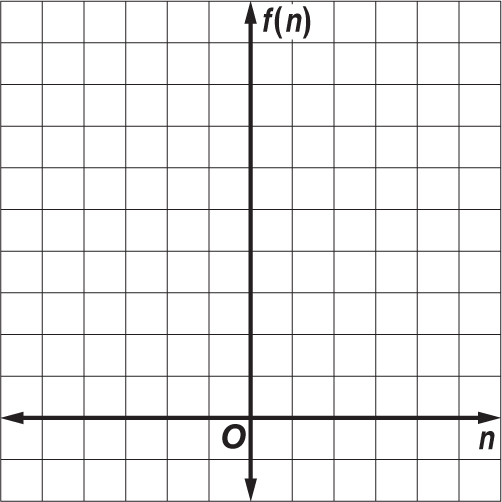
****

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

**4.**  + 4*p* = 3 **5.** 2 + 5 = 10*m* **6.** 2 + 8*v* = –7

****

****

** 7. NUMBER THEORY** Two numbers have a sum of 2 and a product of –8. The quadratic equation – + 2*n* + 8 = 0 can be used to determine the two numbers.

**a.** Graph the related function *f*(*n*) = – + 2*n* + 8 and determine its  
*x*-intercepts.

**b.** What are the two numbers?