

1. $B = \frac{2}{3}A(mw + K)$ Solve for w:

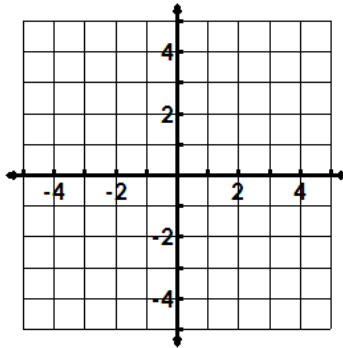
2. $\frac{3}{4}c + 5d = f$ Solve for c:

3. $ba + 7 = bx$ Solve for b:

4. $4fh + 17e = 5e - 2$ Solve for h

5. Graph the following.

$$f(x) = \begin{cases} (x+1)^2, & x \leq 1 \\ -2x, & x > 1 \end{cases}$$



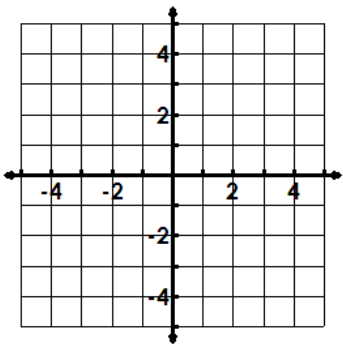
Range: _____

Increasing: _____

Evaluate $f(-4) =$ _____

6. Graph the following.

$$f(x) = -\frac{1}{2}|x - 1| + 3$$



Transformations: _____

Vertex: _____

Decreasing: _____

Evaluate $f(3) =$ _____

Solve the following. Show your work.

7. $2|x + 9| - 4 = 12$

8. $|x - 2| = 4x + 8$