Name: _____
Period: ____

Warm-up: *after* Graphing on a calculator

SHOW YOUR WORK *as demonstrated in class notes*

1. **Simplify:**

a. $\frac{15}{3}\cdot\frac{7}{25}$ b. $12y+3y^2-(y^2-10y)$

2. Solve:

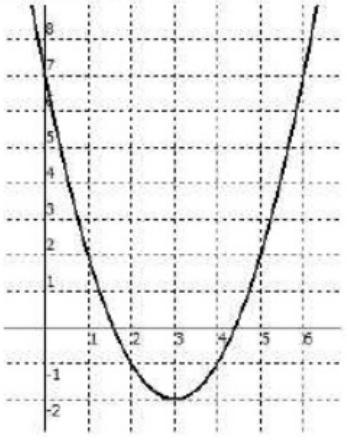
a. $\frac{2}{3}x+6=18$

3. Evaluate each function: Given $f(x)=-2x^2+1$

a. Find $f(3)=$ b. Find $f(0)=$ c. Find $f(-4)=$

4. Use the graph of *h(x)* to evaluate the function:

graph of *h(x)*



a. Find $h(5)=$

b. Find $h(3)=$

c. Find $h(2)=$

d. Find $h(1)=$

e. Find $h(0)=$

3. Evaluate each function: Given $g(x)=|x|+3$

a. Find $g(2)=$

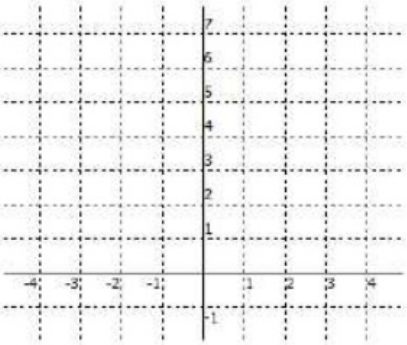
b. Find $g(1)=$

c. Find $g(0)=$

d. Find $g(-1)=$

e. Find $g(-2)=$

plot the points from $a-e$ and graph the function.



Name: _____
Period: ____

Warm-up: *after* Graphing on a calculator

SHOW YOUR WORK *as demonstrated in class notes*

1. **Simplify:**

a. $\frac{15}{2} \cdot \frac{7}{25} = \frac{7}{5}$

b. $12y+3y^2-(y^2-10y)$

$12y+3y^2-y^2+10y$

$2y^2+22y$

2. **Solve:**

a. $\frac{2}{3}x+6=18$

$-6 \quad -6$

$\left(\frac{3}{2}\right)\frac{2}{3}x = 12\left(\frac{3}{2}\right)$

$x = 18$

3. **Evaluate each function:** Given $f(x)=-2x^2+1$

a. Find $f(3)=$ $-2(3)^2+1$

$-2 \cdot 9 + 1$

$-18+1$

-17

b. Find $f(0)=$ $-2(0)^2+1$

$=-2(0)+1$

$=1$

c. Find $f(-4)=$ $-2(-4)^2+1$

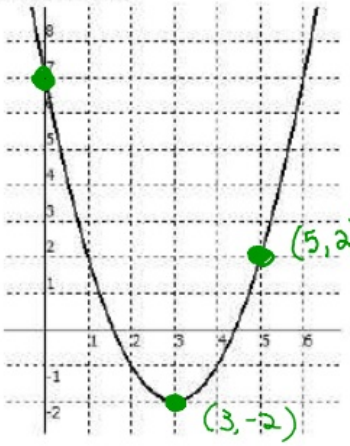
$-2(16)+1$

$-32+1$

-31

4. **Use the graph of *h(x)* to evaluate the function:**

graph of *h(x)*



a. Find $h(5)=$ 2 (5,2)

b. Find $h(3)=$ -2

c. Find $h(2)=$ -1

d. Find $h(1)=$ 2

e. Find $h(0)=$ 7 y-int (0,7)

D: $\mathbb{R}$

R: $y \geq -2$

3. **Evaluate each function:** Given $g(x)=|x|+3$

a. Find $g(2)=$ $|2|+3=5$ (2,5)

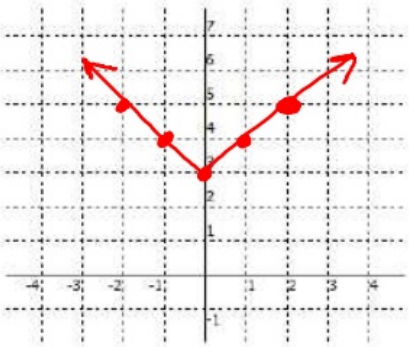
b. Find $g(1)=$ 4

c. Find $g(0)=$ 3 y-int (0,3)

d. Find $g(-1)=$ $|-1|+3=4$

e. Find $g(-2)=$ $|-2|+3=5$

plot the points from $a-e$ and graph the function.



D: $\mathbb{R}$

R: $y \geq 3$