## WARM UP

1. Solve by graphing $y=-(x+2)^{2}+3$
2. Write the equation for the parabola in vertex form: $y=-2 x^{2}-12 x+5$
3. Find the vertex and determine whether it's a max or $\min \mathrm{y}=-3 x^{2}+12 x+4$
4. Write the polynomial in standard form with the following zeros $x=1,3,5$

## Objectives

- Review Quadratic and Polynomial Function Content


## Homework

- Released test questions packet
- Section I: $1,5,8,13,18,25$
- Section II: none
- Section III: 2, 3, 5, 6
- Any unfinished classwork problems

Schedule this week

$$
\begin{array}{ll}
\text { Monday } & \text { - Quadratics and Polynomials } \\
\text { Tuesday } & \text { - Logs/Exponents and Statistics } \\
\text { Wednesday } & \text { - Rational Functions } \\
\text { Thursday } & \text { - Geometry } \\
\text { Friday } & \text { - Trigonometry }
\end{array}
$$

Due today (as in right now)
Completed Skills Review Packet.
Do not give it to me if it is incomplete. You will receive a 0 .

Each day late is a 10 point deduction.

This packet counts as $1 / 2$ a unit test grade.

## Due Friday

| Math III Formula Book | $10 \%$ |
| :--- | :--- |
| All warm-ups from this week | $10 \%$ |
| All classwork from this week. | $40 \%$ |
| Released test questions packet. | $40 \%$ |

Incomplete items result in a zero for that portion of this grade.

Will count as one unit test grade.

## After School Blitz sessions this week

| Monday | Logarithms | Davis <br> Schmutz | $2: 30-3: 30$ | Complete Logarithms assignment <br> Add 7 points to Logarithms Unit Test |
| :---: | :---: | :---: | :---: | :--- |
| Tuesday | Statistics | Dixon <br> Davis | $2: 30-3: 30$ | Complete Statistics assignment <br> Add 7 points to Statistics Unit Test |
| Wednesday | Rational Expressions | Dixon <br> Schmutz | $2: 30-3: 30$ | Replace lowest quiz grade with 100 |
| Thursday | Geometry | Dixon <br> Schmutz <br> Davis | $2: 30-3: 30$ | Complete Geometry assignment <br> Add points to Geometry Unit Test |
| Friday | Trig with the Unit Circle | Dixon <br> Schmutz <br> Davis | $2: 30-3: 30$ | Complete Trigonometry assignment <br> Add 7 points to Trigonometry Unit <br> Test |

## Look at your progress report

## GRADING SCALE

(Middle \& High School Only)
A 100-93
B $92-85$
C $84-77$
D $\quad 76-70$
F Below 70, Failing

F1 is where you stand right now.
I will accept missing work until this Friday. Max score of 84.

Your final will count as $20 \%$ of your final grade.

## Floti Flote Fiots

Y1日（ 2 X$)+6.8+84$ ） Yz＝
For example： $\mathrm{F} 1=84$

| X | V1 |  |
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| 1：4 | 㫙 |  |
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|  |  |  |

Which means：You must score 89 on the final to increase your grade in this class to 85 ．

## Look at your progress report

To see how your score on the final will effect your final grade in this class put the following in your calculator．

$$
y=(.2 x)+(.8 * F 1)
$$

Replace F1 with the grade on your progress report．

Now look at the table．The x value is your score on the final，$y$ is your final grade in the class．

Standard Form: $f(x)=a x^{2}+b x+c$
Find vertex by completing the square
move $C$ to otherside
add $\left(\frac{0}{\Omega}\right)^{2}$ to both sides then factor perfect square $\operatorname{vertex}\left(\frac{-b}{2 a}, f\left(\frac{-b}{2 a}\right)\right)$

Vertex Form: $f(x)=a(x-h)^{2}+k$
Vertex:
Opens up if: $(h, k) \quad \begin{array}{r}\text { Opens unit: } \\ a\end{array}$

The key is on my website

Make sure the Quadratics page of you formula book has the following items completed.

Always put in standard form first
find factors of a times $c$ that add l UP "to $b$ " if $a \neq 1$ Quadratic formula

$$
\frac{-b \pm \sqrt{b^{2}-4 a c}}{2 a}
$$

${ }^{\text {Graphing }} 2^{\text {ned }}$ trace zero
to find where graph crosses $\times a x$ is
Focus a Directrix point $\hookleftarrow$
$\rightarrow$ line

Steps to find all roots
(1) graph on calculator a identify real rosts

Buse quadrortic formula to find complex coots

End behavior

$$
\begin{aligned}
& \text { if } n \text { is odd, opposite directions } \\
& \text { if } n \text { is positive, same directions }
\end{aligned}
$$

Make sure the Polynomials page of you formula book has the following items completed.


Make sure the Calculator page of your formula book has the following items completed.

