## Tuesday, January 8, 2019

| - WELCOME BACK!! | $\frac{x}{-2}$ |
| :--- | :--- |
| - Warm-up | $f(x): y$ |
| -1 |  |

- Without using a calcảlator, graph the following quadratics:

$$
\begin{aligned}
& \cdot f(x)=(x-3)^{2}-4 \\
& \cdot f(x)=x^{2}-6 x+5
\end{aligned}
$$

$$
f(-2)=(-2-3)^{2}-4
$$

- New groups


## Objectives:

- Review the basics of quadratics

Content: I will review the basics of quadratics including vertex form, standard form and graphing.
Social: I will work well with my new group members.
Language: I will use correct terminology when discussing and writing about quadratics.

## Warm-up

$$
\begin{array}{ll}
f(x)=(x-3)^{2}-4 \\
\text { right } \\
3
\end{array}
$$

## Objectives:

Content: I will review the basics of quadratics including vertex form, standard form and graphing.
Social: I will work well with my new group members.
Language: I will use correct terminology when discussing and writing about quadratics.

## Building a New Group...



## Objectives:

Content: I will review the basics of quadratics including vertex form, standard form and graphing.
Social: I will work well with my new group members.
Language: I will use correct terminology when discussing and writing about quadratics.

## Colendar



Big Ideas About Quadratics

- Graph: Parabola
- direction: opens up opens down $\rightarrow$
- $x$-intercepts:Chousser $x$ taxis $(-3,0)(1,0)$
- $y$-intercept:croses $y$-axis $(0,6)$
- axis of symmetry: line down middle $x=-1$
- vertex:minimum / maximum ${ }_{2}(-1,8)$
- Vertex Form:
- Standard Form: $f(x)=-2 x^{2}-4 x+6$

basics of quadratics including
vertex form, standard form and graphing. Social: I will work well with my new group members. Language: I will use correct
terminology when discussing and writing about quadratics


## Homework Set-up \& Start

(1) $(x+3)(x+5)$
$x^{2}+5 x+3 x+15$
$x^{2}+8 x+15$
(2) $\begin{gathered}x^{2}+11 x+18 \\ (x+2)(x+9)\end{gathered}$


## (7) $(4 a-7)(3 a-2)$



## Objectives:

Content: I will review the basics of quadratics including vertex form, standard form and graphing. Social: I will work well with my new group members.
Language: I will use correct terminology when discussing and writing about quadratics.

