Monday, may 6. 2019

- Warm-up
- Sketch the parabola and identify the ${ }^{2} \times-3$
- axis of symmetry $X=1$
- vertex $(1,-4)$
- $y$-intercept $(s)(0,-3)$
- $x$-intercep ts) $(-1,0)(3,0)$
- solution (s) $\rightarrow x$-intercepts
- Review Quadratics
- Introduce Performance Task

$\min / \max$

Objectives
Content: I will review the concept of parabolas and see a new way to apply it.
Social: I will participate in the class activities.
Language: I will read directions carefully and identify new words in the task directions.

Review Quadratics - What are they?

$$
\begin{aligned}
& y=a x^{2}+b x+c \\
& \text { lond }(\underline{Q}, ?) \\
& \uparrow \uparrow
\end{aligned}
$$

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Revicut Quadratics $_{x-8}$ - How?

$$
\begin{aligned}
& \text { Factoring }+2.2-\frac{-4}{-2}-1 \quad f(x)=x^{2}-2 x-8=0 \\
& (x-4)(x+2)^{-8+1} \text { Quadratic Formula } \\
& (x-4)(x+2)=0 \\
& \begin{array}{ll}
x-4=0 & x+2=0 \\
+4+4 & -2=-2
\end{array} \\
& x=-2 \\
& (4,0)(-2,0) \\
& x=\frac{-b \pm \sqrt{b^{2} \cdot 4 a c}}{2 a} \quad \begin{array}{l}
a=1 \\
b=-2
\end{array} \\
& x=\frac{-(-2) \pm \sqrt{(-2)^{2}-4 \cdot 1 \cdot-8}}{2 \cdot 1} \\
& =\frac{2 \pm \sqrt{4+-32}}{2} \\
& \begin{aligned}
=\frac{2 \pm \sqrt{36}}{2} & >\frac{2+6}{2}: \frac{8}{2}=4 \\
& \geq \frac{2-6}{2}=\frac{-4}{2}=-2
\end{aligned} \\
& \text { Graphing }
\end{aligned}
$$

Performance Assessment
Due Fray e
the beaning
Written up
Work time Tue, wed
Summative $20^{\text {min }} 20^{\text {ts }}$
https://youtu.be/55GUuB8qPI8


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