Wednesday, January 16, 2019

- Warm-up
 - Write the following in standard form: $f(x) = (x 1)^{2/2}$

Standard form $ax^2 + bx + c = 0$

• More with quadratics

Objectives

 $x^{2} - 2x - 15 = 0$

16

What else can we do with this equation?

$$f(x) = (x - 1)^{2} - 16$$
Form

$$f(x) = (x - 1)^{2} - 16$$
Form

$$f(x) = x^{2}$$
Opens up
new vertex = (1,16)

$$f(x) = (x - h)^{2} + k$$
Uevtex: (h, k)



y-intercept (where the # in standard form * Pdrabola crosses the y-axis) Can I solve it? ALWAYS $f(x) = (x-1)^2 - 16$ (0,-15) C-value $f(x) = x^2 - 2x - 15$ X-intercepts where the parabola $(0) = 0^2 - 2(0) - 15$ crosses the x-axis (5) (-3)= -15 $0 = x^2 - 2x - 15 \rightarrow 5,3$ Solve for 1,15 (1-16) $\int (x-5)(x+3)$ (y. Mt.) X+3= x - 5 = ()16 +9 **Objectives Content**: I will solve and graph quadratics. **Social**: I will work with my group and help them understand the content. Language: I will write clear notes so that I can use them on the quiz.

Quadratic Formula>X= -b+. Can I solve it? X = $f(x) = (x - 1)^2 - 16$ 20 c= -15 $n = x^2 - 2x - 15$ 2+8<u>10</u> - 2- 64 2-8-6

Objectives

Can | solve it? $f(x) = (x - 1)^2 - 16$

Objectives

You try...

Objectives

Match & Check

1

Questions...



