Post-It Check!!! 3/5/2021 Solve the quadratic equation: $G(x)^2 + 3x = 0$





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Math Talks EOC Type Questions

3/8/2021

Which represents the fully factored form of the following quadratic expression?



2. Which represents the factored form of the polynomial below
$$(a+b)(a-b)$$

 $x^{4}-16$
A. $(x^{2}-4)(x^{2}-4)$ $(x^{2}+4)(x^{2}-4)$
B. $(x-2)^{2}(x+2)^{2}$ $(x^{2}+4)(x+2)(x-3)$
C. $(x-2)^{2}(x^{2}+2)$
D. $(x-2)(x+2)(x^{2}+4)$
3. For what values of x will the graph of the following function cross the x-axis? Solve for $f(x) = 4x^{2} + 20x + 16$
A. $(1, 4)$ $(x^{2}+5x+44)$
B. $(-1, 4)$
C. $(-4, 1)$ $(x^{2}+5x+44)$
B. $(-1, 4)$ $(x^{2}+5x+44)$
B. $(-1, 4)$ $(x^{2}+5x+44)$
C. $(-4, 1)$ $(x^{2}+4)$
A. $(1, 4)$ $(x^{2}+5x+44)$
A. $(1, 4)$ $(x^{2}+5x+4)$
A. $(1, 4)$ $(1,$

Essential Question 3/8/2021

How can I solve quadratic
 equations by finding square roots:

Learning Target



Solve Quadratic Equations by Finding Square Roots

Opening: Solving by Taking Square Roots

Remember: When taking square roots to solve for x, you get a positive and negative answer!





Solving by Finding Square Roots (More Complicated)



Practice - You do: $\frac{1}{2}(x+8)^2 = 14$ 5) $-2(x+3)^2 - 16 = -48$ 1 = (X+8) 28 5-4 5T7, X = 3| and X = -7

Practice - You do:

6)
$$3(x-4)^2 + 7 = 67$$

 $-7 - 7$
 $7(x-4)^2 = 60$
 $3(x-4)^2 = 70$
 $7(x-4)^2 = 70$

$$X - 4 = \frac{1}{4x5}$$

 $X - 4 = \frac{1}{2}$
 $X - 4 = \frac{1}{2}$
 $X = 4 = \frac{1}{2}$

Functions notation.ppt

Functions Practice HW.docx

Functions notation notes.ppt