December 12, 2017

Solving Flashback #2

1. What does it mean to solve graphically? Use an example to illustrate Graph the left side of equation and then the right side as a separate line or curve. Where they intersect is the colution.

ax+1=51=2x+1

- 2. How do you verify solutions to an equation? Why do you want to do this? Take the values you found for your solution and substitute into the equation one at a time to ensure the "left side = right side. If not, it may indicate an error in your solving or an extraneous root. 3. Solve and verify:
- 4x 2(3x 8) = 742-62+16=7 -2x = -9 $X = -\frac{9}{-2}$ $X = \frac{9}{2}$
- |5x 2| = 105x-2=10 5x=12

- No solution ause , upu can't . (because you can't $(\chi-y\chi\chi-1)=0$ $\chi = \chi = \chi$ $\chi = \chi = 1$
- $(x)^{2} (5x-4)^{2}$ x=5x-4 x2-5x+4=0
- $2 = |x^{2} 2x 1|$ $2 = |x^{2} 2x 1|$ $2 = |x^{2} 2x 1|$ $0 = |x^{2} 2x 3|$ $0 = |x^{2} 2x 3|$ $0 = |x^{2} 2x + 1|$ $2 = |x^{2} 2x 1|$ $2 = -|x^{2} 2x + 1|$ $2 = -|x^{2} 2x + 1| = 0$ $2 = |x^{2} 2x 1|$ $2 = -|x^{2} 2x + 1| = 0$ $2 = |x^{2} 2x 1|$ $2 = -|x^{2} 2x 1|$ $3 = -|x^{2} 2x 1|$ $4 = -|x^{2} 2x 1|$ 4 = -7=3,-1

(x-1)(x-1)=0

4. What is the value of the discriminant? What does it tell us about the quadratic?

$$x^{2}+4x-12=0$$
 $6^{2}-4ac$
 $16-4(1)(-12)$
 $16+48$
 64

 $3x^2 + 5x + 11 = 0$

two real roots -> So in ch 8 function the reciprocal function (equal) would have I tote asymptote

62-4ac

No mosts -> So in chapter8 there would be no vertical asymptotes It would be the "pimple