Solve.

$$(\sqrt{x+6})^2 = (5\sqrt{x-12})^2$$

 $x+6 = 25(x-12)$
 $x+6 = 25($

Solve.
$$(x+13)^{\frac{1}{4}} - (x+1)^{\frac{1}{2}} = 0$$

 $+(\chi+1)^{\frac{1}{2}}$

$$((X+13))^{\frac{1}{2}} = ((X+1)^{\frac{1}{2}})^{\frac{1}{2}}$$

$$X+13 = (X+1)^{\frac{1}{2}}$$

$$X+13 = X^{\frac{1}{2}} = (X+1)^{\frac{1}{2}}$$

$$X+13 = X^{\frac{1}{2}} = (X+1)^{\frac{1}{2}}$$

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

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

Solve.
$$((x+2)^{\frac{1}{2}})^{2} = (6(x-3)^{-\frac{1}{2}})^{2}$$

$$X + 2 = 3(x-3)^{-\frac{1}{2}}$$

$$X + 2 = \frac{36}{x-3}$$

$$3(x-x)^{2} - x - 6(x-3)^{-\frac{1}{2}}$$

$$0 = x^{2} - x - 4x$$

$$0 = (x-7)(x+6)$$

$$x=7, 76$$

Solve.

$$(x+3)^{\frac{1}{6}} = \sqrt[3]{7}$$

$$((x+3)^{\frac{1}{6}}) = ((7)^{\frac{1}{3}}) \rightarrow 7^{2}$$

$$(x+3) = (7)^{\frac{1}{3}} \rightarrow 7^{2}$$

$$(x+3) = (7)^{\frac{1}{$$

You can now finish Hwk #20

Sec 7-5

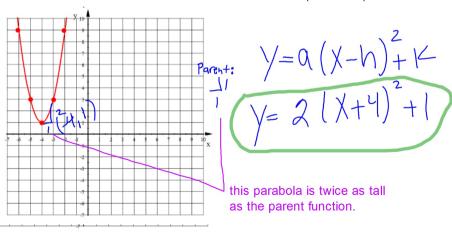
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Problems 6, 7, 9, 17, 18, 21, 23, 54

Due tomorrow

1. Plot the following points and connect them to form a parabola. (-6,9), (-5,3), (-4,1), (-3,3), (-2,9)

2. Write the equation of this parabola.



By definition a Relation is a set of ordered pairs (a bunch of points)

What is a function?

A relation such that every x-value is paired with one and only one y-value.