



1. Graph the function 

x y

Domain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



x y

x y



x y

What are the graphs of $y=3\sqrt{x}$ and $y=\frac{1}{2}\sqrt{x}$

x y

x y

x y



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**Algebra 2 6-8 Worksheet**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Graph each function using transformation:

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Domain:

Range:

2. 

Domain:

Range:

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Domain:

Range:

4. $f\left(x\right)=-\sqrt{x+3}-2$

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Domain:

Range:

5. $f\left(x\right)= -2\sqrt{x-1}$ + 3

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Domain:

Range:

6. $f\left(x\right)=\frac{1}{2}\sqrt{x+4}-1$

Domain:

Range:

1. Graph the function $f\left(x\right)=\sqrt[3]{x}$

x y

Domain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. $f\left(x\right)=2\sqrt[3]{x-1}$ + 3

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Domain:

Range:

3. $f\left(x\right)=-\sqrt[3]{x+4}$ -2

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Domain:

Range:

4. $f\left(x\right)=2\sqrt[3]{x}$ + 4

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Domain:

Range:

5. $f\left(x\right)= \sqrt[3]{x-2}+3$

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Domain:

Range:

6. $f\left(x\right)=-\sqrt[3]{x-4}$

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Domain:

Range: