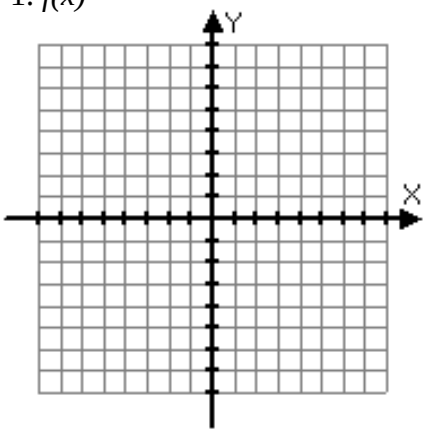
Curve Fitting to Square Roots Name: _____

Graph the following square root functions from the list of points. The first point listed is the vertex.

1. *f(x)* =



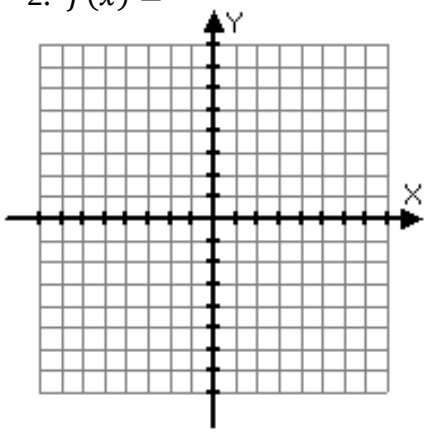
Points: (0,0), (1,1), (4,2)

Domain: _____

Range: _____

Transformations:

2. $f(x) =$



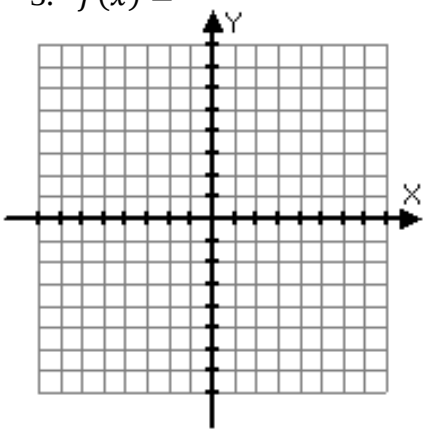
Points: (2,0), (-2,-2), (-7,-3)

Domain: _____

Range: _____

Transformations:

3. $f(x) =$



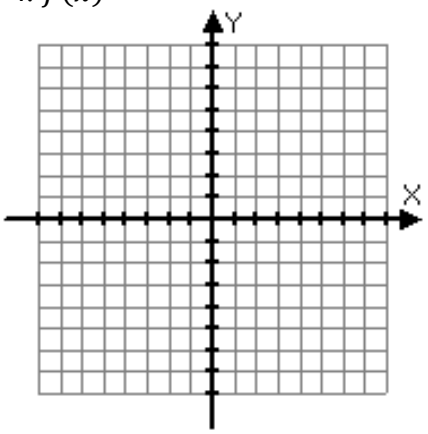
Points: (0,4), (1,2), (4,0)

Domain: _____

Range: _____

Transformations:

4. $f(x) =$



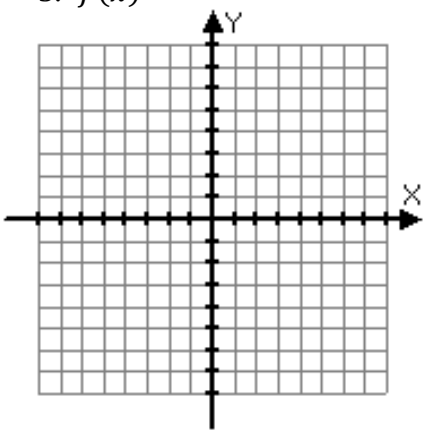
Points: (3,5), (4,3), (7,1)

Domain: _____

Range: _____

Transformations:

5. $f(x) =$



(Vertex not given)

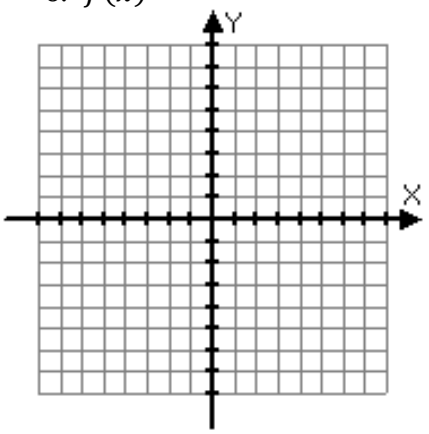
Points: (-3,4), (2,6), (9,8)

Domain: _____

Range: _____

Transformations:

6. $f(x) =$



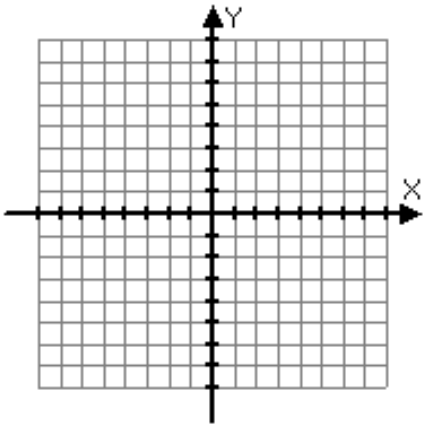
Points: (-1,-3), (3,3), (8,6)

Domain: _____

Range: _____

Transformations:

7. $f(x) =$



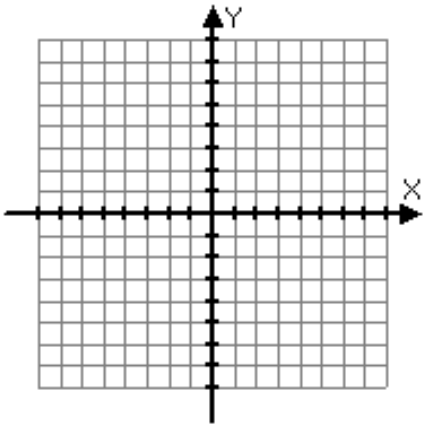
Points: (0,0), (1, 0.5), (4,1)

Domain: _____

Range: _____

Transformations:

8. $f(x) =$



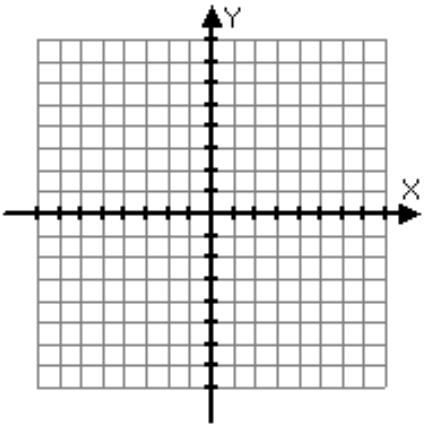
Points: (1,-3), (2,1), (5,5)

Domain: _____

Range: _____

Transformations:

9. $f(x) =$



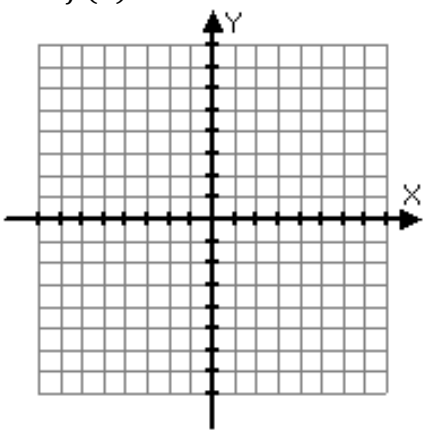
Points: (2,-4), (-2, -3.33), (-7,-3)

Domain: _____

Range: _____

Transformations:

10. $f(x) =$



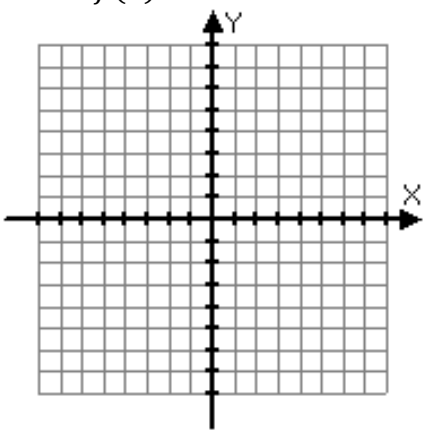
Points: (0,4), (-1,3), (-4,2)

Domain: _____

Range: _____

Transformations:

11. $f(x) =$



(Vertex not given)

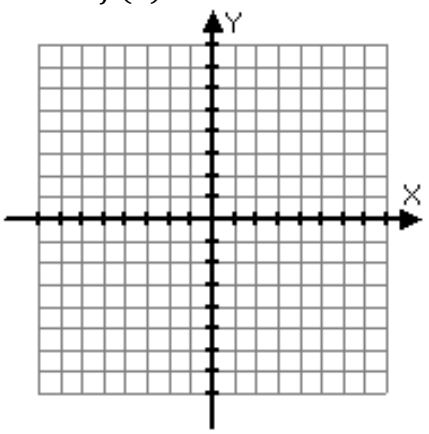
Points: (-1,1), (-4,2), (-9, 3)

Domain: _____

Range: _____

Transformations:

12. $f(x) =$



(Vertex not given)

Points: (2,-3), (5,-6), (10, -9)

Domain: _____

Range: _____

Transformations: