[illegible] Name: [illegible]

[illegible]

1) Translated 1 to the right

$$g(x) = 2^{x} - 1$$

2) Translated 1 unit to the left and 4 units down

$$g(x) = 4^{(x+1)}$$

3) Reflected over the x-axis

$$g(x) = -(4^{x})$$

$$g(x) = -4^{x}$$

4) Reflected over the y-axis

$$g(x) = 4^{(-x)}$$

5) Vertically stretched by 2

$$g(x) = 2(2^{x})$$

6) Horizontally compressed by $\frac{1}{2}$

$$g(x) = \frac{2}{3}(4^{x})$$

7) Horizontally stretched by 2

$$g(x) = 4^{(\frac{1}{2}x)}$$

8) Horizontally compressed by $\frac{1}{2}$

$$g(x) = 4^{(\frac{1}{2}x)}$$

[illegible]

1) Translated 3 units down and 1 unit right

$$g(x) = 4\log_4(x-2) - 3$$

2) Translated 3 units to the left and 1 unit up

$$g(x) = 4\log_4(x+3) + 1$$

3) Reflected over the x-axis

$$g(x) = -4\log_4 x$$

4) Reflected over the y-axis

$$g(x) = 4\log_4(-x)$$

5) Vertically stretched by 4

$$g(x) = 4\log_4 x$$

6) Horizontally compressed by $\frac{1}{2}$

$$g(x) = \frac{2}{3}4\log_4 x$$

7) Horizontally stretched by 2

$$g(x) = 4\log_4(\frac{1}{2}x)$$

8) Horizontally compressed by $\frac{1}{2}$

$$g(x) = 4\log_4(2x)$$

9) Translated 3 units right and 2 units down

$$g(x) = 4\log_4(x-3) - 2$$