

[09-11-09-T11]

[1] Below are graphs of the functions $f(x) = 2^x$ and $g(x) = -2^{-x}$. Decide which if any of the following symmetries exist between functions f and g :

- (a) symmetry with respect to the x-axis,
- (b) symmetry with respect to the y-axis,
- (c) symmetry with respect to the origin,
- (d) symmetry with respect to the line $y = x$,
- (e) none of the above.

Now prove your choice of a, b, c, d, or e is correct.

