

Combining functions

$$(f + g)(x) =$$

Domains –

$$(f - g)(x) =$$

$$(fg)(x) =$$

$$\left(\frac{f}{g}\right)(x) =$$

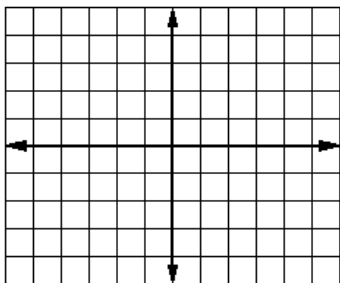
Composite Function

$$(f \circ g)(x) =$$

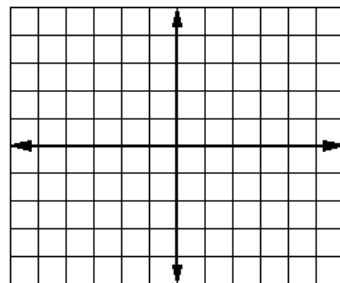
The domain

Basic Graphs – Transformations

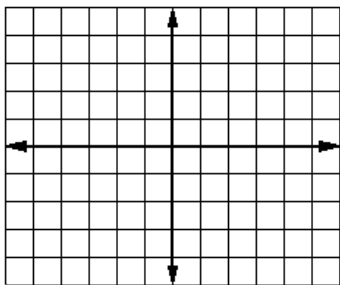
$$f(x) =$$



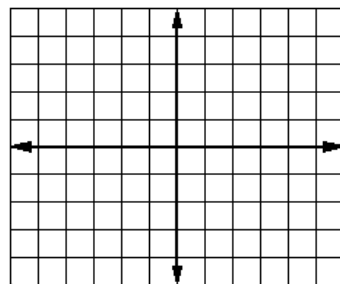
$$f(x) =$$



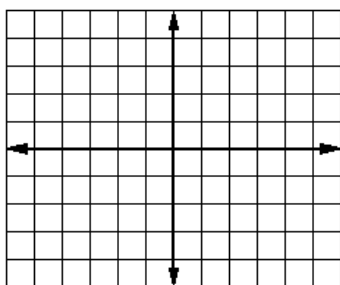
$$f(x) =$$



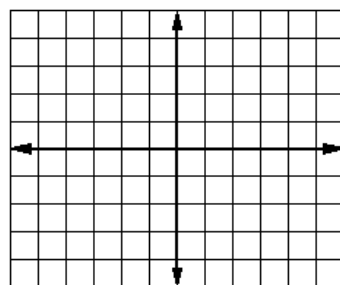
$$f(x) =$$



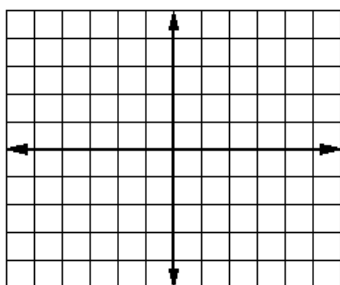
$$f(x) =$$



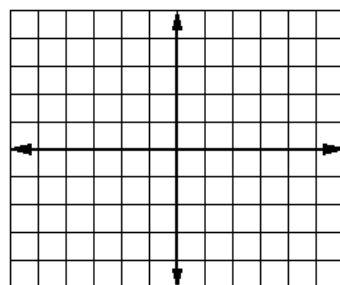
$$f(x) =$$



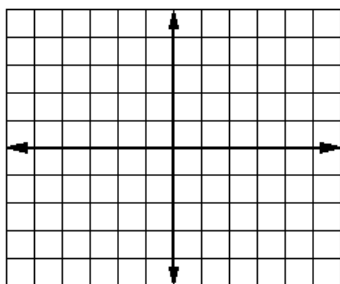
$$f(x) =$$



$$f(x) =$$



$$f(x) =$$



Transformations

$$y = f(x) + k$$

$$y = f(-x)$$

$$y = f(x + h)$$

$$y = af(x)$$

$$y = -f(x)$$

$$y = f(bx)$$

Order: