

Expanding & Factoring Review Do-Now

★ Consider the functions:

$$d(x) = x^2$$

$$h(x) = -6 - x$$

Part A: Write the function $d(x) + h(x)$. Then factor completely.

Part B: Write the function $3d(x - 1) - 4h(x)$. Then expand completely.

★ Consider the functions:

$$f(x) = x^2$$

$$w(x) = 12 + x$$

Part A: Write the function $f(x) - w(x)$. Then factor completely.

Part B: Write the function $4f(x - 2) - 2w(x)$. Then expand completely.