





# The Domain of a Composition

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Compose the two and look at what you think the domain should be...then make sure that you haven't included anything that isn't already included in the domain of the inner function.

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Example

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

$$g(x) = x - 2$$

Example

$$f(x) = x^2 + 1$$

$$g(x) = \sqrt{x}$$



Example

$$h(x) = \sqrt{2x - 3}$$

Example

$$h(x) = \frac{4}{x^2 + 2x - 5}$$