

Match each composition to its notation.

1: $(x^2 + x)^2 + (x^2 + x)$	A: $f[h(x)] =$
2: $\sqrt{x^2 + x}$	B: $h[f(x)] =$
3: $(\sqrt{x})^2 + \sqrt{x}$	C: $f[f(x)] =$
4: $(x^2 + x) + 2$	D: $g[f(x)] =$
5: $\sqrt{\sqrt{x}}$	E: $g[g(x)] =$
6: $(x + 2) + 2$	F: $f[g(x)] =$
7: $\sqrt{x + 2}$	G: $h[g(x)] =$
8: $\sqrt{x} + 2$	H: $g[h(x)] =$
9: $(x + 2)^2 + (x + 2)$	I: $h[h(x)] =$

Name _____

Function Composition Match

Name _____

Function Composition Match

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

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

$$h(x) = x + 2$$

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

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

$$h(x) = x + 2$$

Composition	Notation
1	
2	
3	
4	
5	
6	
7	
8	
9	

Composition	Notation
1	
2	
3	
4	
5	
6	
7	
8	
9	

Answer Key

Composition	Notation
1	E
2	F
3	D
4	G
5	C
6	I
7	A
8	B
9	H