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| **Fill in the Blanks** | **Composite One-Step Functions** |

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| **Question** | **Input** | **1st Function** | **2nd Function** | **Output** | **Answer** |
| $$f\left(x\right)=5x g\left(x\right)=x+2$$Find $fg(x)$ |  |  |  |  | $$fg\left(x\right)=5(x+2)$$ |
| $$f\left(x\right)=5x g\left(x\right)=x+2$$Find $gf(x)$ |  |  |  |  |  |
| $$f\left(x\right)=x-1 g\left(x\right)=x^{2}$$Find $fg(x)$ |  |  |  |  |  |
| $$f\left(x\right)=x+3 g\left(x\right)=\sqrt{x}$$Find $gf(x)$ |  |  |  |  |  |
| $$f\left(x\right)=\frac{x}{2} g\left(x\right)=x+7$$Find $fg(x)$ |  |  |  |  |  |
| $$g\left(x\right)=x-4 h\left(x\right)=\sqrt{x}$$Find $gh(x)$ |  |  |  |  |  |
| $$f\left(x\right)=\frac{1}{x} g\left(x\right)=x^{2}$$Find $gf(x)$ |  |  |  |  |  |