Fill In The Blanks…

**Evaluating Composite One-Step Functions**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Question** | **Input** | **1st Function** | **2nd Function** | **Output** | **Answer** |
| $$f\left(x\right)=3x g\left(x\right)=x-1$$Find $fg(2)$ |  |  |  |  | $$fg\left(2\right)= $$ |
| $$f\left(x\right)=5x g\left(x\right)=x+3$$Find $gf(6)$ |  |  |  |  |  |
| $$f\left(x\right)=x-1 g\left(x\right)=x^{2}$$Find $fg(3)$ |  |  |  |  |  |
| $$f\left(x\right)=x+9 g\left(x\right)=\sqrt{x}$$Find $gf(-5)$ |  |  |  |  |  |
| $$f\left(x\right)=\frac{x}{2} g\left(x\right)=x+7$$Find $fg(4)$ |  |  |  |  |  |
| $$g\left(x\right)=\sqrt{x} h\left(x\right)=x-3$$Find $gh(3.25)$ |  |  |  |  |  |
| $$f\left(x\right)=\frac{1}{x} g\left(x\right)=x^{2}$$Find $gf(0.4)$ |  |  |  |  |  |