|  |  |
| --- | --- |
| **Fill in the Blanks** | **Inverse Three-Step Functions** |

|  |  |  |
| --- | --- | --- |
| **Question** | **Function Machines** | **Answer** |
| $$f\left(x\right)=\frac{2x+3}{5}$$Find $f^{-1}(x)$ |  |  |  |  |  | $$ f^{-1}\left(x\right)= $$ |
|  |  |  |  |  |
| $$f\left(x\right)=4x^{2}-5$$Find $f^{-1}(x)$ |  |  |  |  |  | $$ f^{-1}\left(x\right)=$$ |
|  |  |  |  |  |
| $$f\left(x\right)=2\sqrt{x}+1$$Find $f^{-1}(x)$ |  |  |  |  |  | $$ f^{-1}\left(x\right)=$$ |
|  |  |  |  |  |
| $$f\left(x\right)=\left(\frac{x-3}{2}\right)^{2}$$Find $f^{-1}(x)$ |  |  |  |  |  | $$ f^{-1}\left(x\right)=$$ |
|  |  |  |  |  |
| $$g\left(x\right)=\frac{4}{x}-3$$Find $g^{-1}(x)$ |  |  |  |  |  | $$ g^{-1}\left(x\right)=$$ |
|  |  |  |  |  |