Objective 4 - Inverse

Find the inverse of a function, if it exists.

Link to section in online textbook

First, watch this video to learn when a function has an inverse and how to find the inverse of a function. Feel free to pause the video and fill out the notes as you go.

Question 1 *Determine whether the function below is 1-1.*

$$f(x) = \textbf{??}$$

If $f(x)$ is 1-1, find the inverse function. If $f(x)$ is not 1-1, put "NA".

$$f^{-1}(x) = \boxed{\textbf{??}}$$

Feedback(*`attempt`*): *To find the inverse of a function, switch x and y, then solve for y. Don't round.*

Question 2 *Determine whether the function below is 1-1.*

$$f(x) = \textbf{??}$$

If $f(x)$ is 1-1, find the inverse function. If $f(x)$ is not 1-1, put "NA".

$$f^{-1}(x) = \boxed{NA}$$

Feedback(*`attempt`*): *To find the inverse of a function, switch x and y, then solve for y. Don't round.*

Question 3 *Determine whether the function below is 1-1.*

$$f(x) = \textbf{??}$$

Learning outcomes:
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If $f(x)$ is 1-1, find the inverse function. If $f(x)$ is not 1-1, put "NA".

$$f^{-1}(x) = \boxed{??}$$

Feedback(*`attempt`*): *To find the inverse of a function, switch x and y, then solve for y. Don't round.*

Question 4 *Determine whether the function below is 1-1.*

$$f(x) = ??$$

If $f(x)$ is 1-1, find the inverse function. If $f(x)$ is not 1-1, put "NA".

$$f^{-1}(x) = \boxed{??}$$

Feedback(*`attempt`*): *To find the inverse of a function, switch x and y, then solve for y. Don't round.*

Question 5 *Determine whether the function below is 1-1.*

$$f(x) = ??$$

If $f(x)$ is 1-1, find the inverse function. If $f(x)$ is not 1-1, put "NA".

$$f^{-1}(x) = \boxed{??}$$

Feedback(*`attempt`*): *To find the inverse of a function, switch x and y, then solve for y. Don't round.*
