

Question 1

Function f is defined by $f: x \rightarrow 2x + 3$.

Find the value of x which maps to itself.

Question 2

Function f is defined by $f(x) = |3x - 5|$

Find the value of x that is unchanged under the mapping of f .

Question 3

Function f is defined by $f: x \rightarrow 5x - \frac{1}{x}, x \neq 0$.

b is the object. The image of b is b . Find the possible value of b .

Question 4

Function f is defined by $f(x) = -6x - 5$

Find the value of x which maps to itself.

Question 5

Function g is defined by $g: x \rightarrow -2x^2 - 3x - 2$.

Find the value of x that is unchanged under the mapping of g .