



$$f(x) = x^2 - 3$$

$$g(x) = 2x + 1$$

$$h(x) = \frac{x}{2}$$

Find

$$fg(x)$$

Find

$$gh(x)$$

Find

$$g^{-1}(x)$$

Solve the inequality $x^2 - 9x + 14 \leq 0$

A group of friends have been surveyed.

40% have been to Canada.

82% have been to France.

11% have been to neither Canada or France.

Find the percentage of the group that have been to Canada and France.

Explain why

$$\cos 45^\circ = \frac{\sqrt{2}}{2}$$