



Solve the equations

$$\begin{aligned}xy &= 24 \\x &= y - 2\end{aligned}$$

$$\frac{10 - \sqrt{32}}{\sqrt{2}} = a + b\sqrt{2}$$

where a and b are integers.

Find the values of a and b .

$$\begin{aligned}f(x) &= 3x - 1 \\g(x) &= 2x + 4\end{aligned}$$

Calculate the value of
 $fg(2)$

Calculate the value of
 $ff(3)$

Solve

$$12x^2 - 31x + 9 \leq 0$$