

8th September

Corbettmaths

Solve the equations

$$xy = 24$$

$$x = y - 2$$

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

where a and b are integers.

Find the values of a and b.

Solve the inequality $x^2 + 2x - 35 > 0$

$$f(x) = 3x - 1$$

$$g(x) = 2x + 4$$

Calculate the value of

$$fg(2)$$

Calculate the value of

$$ff(3)$$