
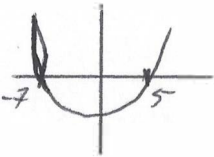


8th September	
Solve the equations $xy = 24$ $x = y - 2$ $(y-2)y = 24$ $y^2 - 2y - 24 = 0$ $(y-6)(y+4) = 0$	 CorbettmOths $y = 6$ or $y = -4$ $x = 4$ or $x = -6$ $(4, 6)$ or $(-6, -4)$
$\frac{10 - \sqrt{32}}{\sqrt{2}} \times \sqrt{2} = a + b\sqrt{2}$ where a and b are integers. Find the values of a and b.	$\frac{10\sqrt{2} - \sqrt{64}}{2}$ $\frac{10\sqrt{2} - 8}{2}$ $5\sqrt{2} - 4$
Solve the inequality $x^2 + 2x - 35 > 0$ $(x+7)(x-5)$ 	$x < -7$ or $x > 5$
$f(x) = 3x - 1$ $g(x) = 2x + 4$ Calculate the value of $fg(2)$ <b>23</b>	$g(2) = 2 \times 2 + 4 = 8$ $f(8) = 3 \times 8 - 1 = 23$
Calculate the value of $ff(3)$ <b>23</b>	$f(3) = 3 \times 3 - 1 = 8$ $f(8) = 3 \times 8 - 1 = 23$