

29th January



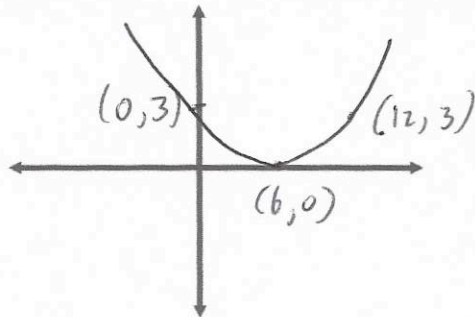
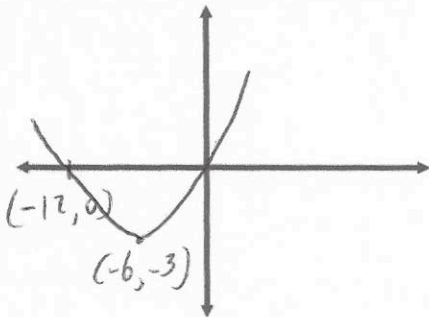
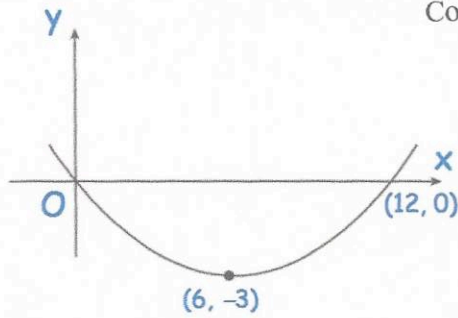
Corbettmaths

Shown is the graph of the function $y = f(x)$

Sketch

(a) $f(-x)$

(b) $f(x) + 3$



Find the coordinates where the line $2x - y + 3 = 0$ and the curve $y = x^2 - x - 7$ intersect

$$y = 2x + 3$$

$$2x + 3 = x^2 - x - 7$$

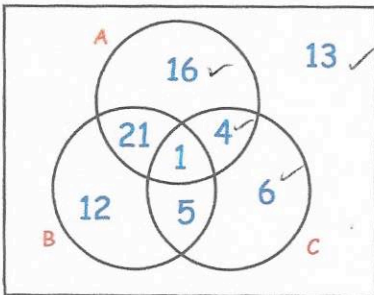
$$0 = x^2 - 3x - 10$$

$$(x - 5)(x + 2) = 0$$

$$x = 5 \text{ or } x = -2$$

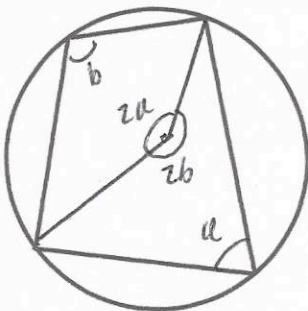
$$y = 13 \quad y = -1$$

$$(5, 13) \text{ and } (-2, -1)$$



Find $P(A|B')$

$$\frac{20}{39}$$



Prove the opposite angles in a cyclic quadrilateral add to 180°

$$2a + 2b = 360$$

So

$$a + b = 180^\circ$$

video 65d