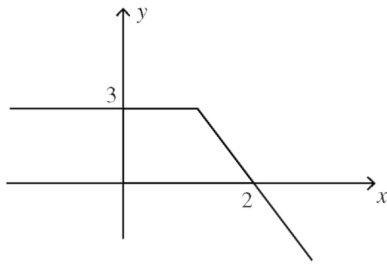


24th November



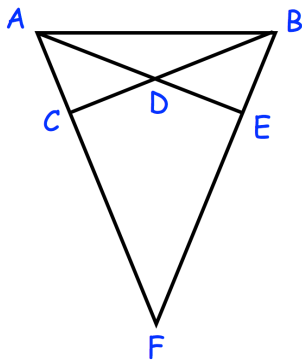
Corbettmaths



Shown is  $y = f(x)$

Sketch  $y = f(-x)$

Sketch  $y = -f(x)$



Prove  $\triangle AFE$  and  $\triangle BCF$  are congruent

$\triangle ABF$  is an isosceles triangle.  
 C and E are points on AF and BF such that  $FC = FE$ .  
 AE and BC meet at D.

Prove  $\triangle ADB$  is isosceles

Prove algebraically that

$(4n + 1)^2 - (2n - 1)$  is an even number

for all positive integer values of n.