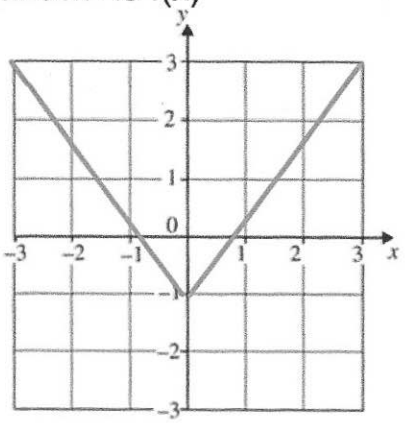
Name: _____ 5-a-day Higher Plus

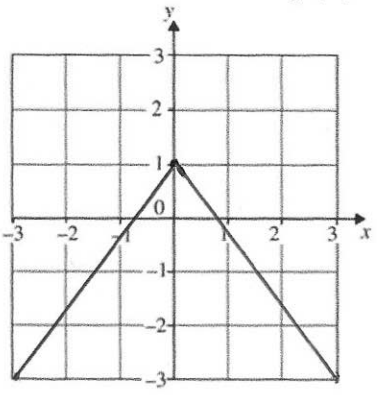
17th June

Corbettmaths

Shown is f(x)



Sketch the function $-f(x)$



Write 32 in the form 8^n

$8^{\frac{5}{3}}$

$f(x) = \dfrac{kx+2}{4}$

$g(x) = 2x+5$

Given $fg(4) = -9.25$

Work out the value of k

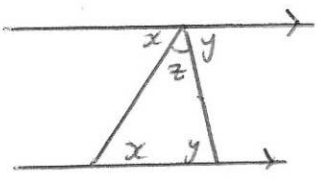
$g(4) = 13$

$f(13) = \dfrac{13k+2}{4}$

$\dfrac{13k+2}{4} = -9.25$ $k = -3$

Prove the angles in a triangle add up to 180°.

Hint: consider parallel lines.



As angles in a straight line add up to 180°, $x+y+z = 180$

As the three angles in the triangle are x, y & z

$x+y+z=180$