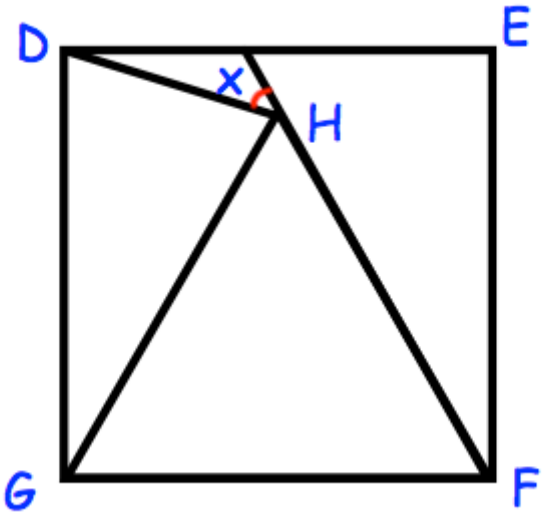
September 21st



Angle HGF = 60^{o} (since triangle HGF is equilateral)

HG = GF

∴ HG = DG and triangle DGH is isosceles

Angle DGH = 90 – 60 = 30^{o}

∴angle GHD = (180 – 30)÷2 = 75^{o}

Now, since angle FHG = 60^{o} and angle GHD = 75^{o}

x = 180 – (60 + 75) = **45^{o}**