$$\Delta DOG \cong \Delta CAT$$

$m\angle D = 52°$ $m\angle A = 37°$ $m\angle G = (7x)°$

$DO = 16$ cm $AT = 12$ cm

$CT = 7$ cm $OG = 2y - 6$ cm

Sketch the triangles and label what you know. Find x and y.

Show all work.