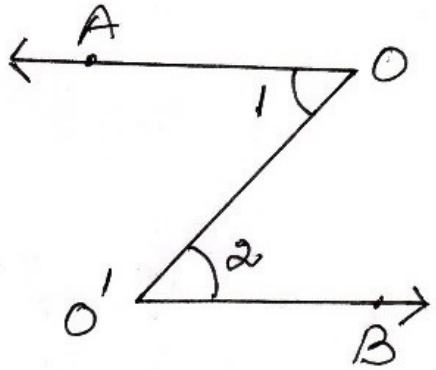
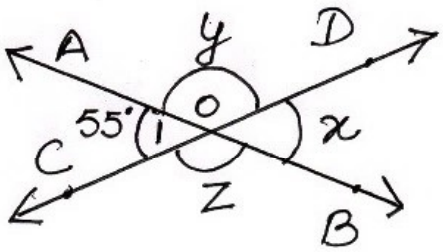
11. no.
No common vertex



12. $\angle 1 = x = 55^\circ$ (vert. opp $\angle$s)



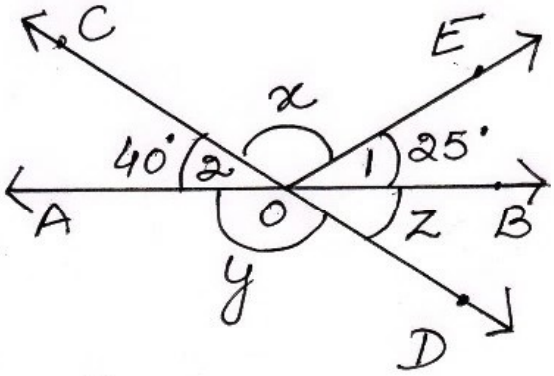
$\angle 1 + y = 180^\circ$
(linear pair)

$55 + y = 180^\circ$

$\Rightarrow y = 180 - 55$
$= 125$

$z = y = 125^\circ$ (vertically opposite $\angle$s)

13.



$\angle 2 + y = 180^\circ$
$40 + y = 180$

$\Rightarrow y = 180 - 40$
$= 140^\circ$

$\angle 2 + x + \angle 1 = 180^\circ$ (Sum of $\angle$s on a st. line)

$40 + x + 25 = 180^\circ$

$\Rightarrow x = 180 - 65$
$= 115^\circ$

$z = \angle 2 = 40^\circ$ (vertically opp. $\angle$s)