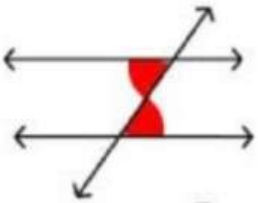
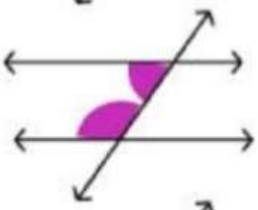
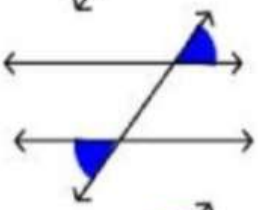
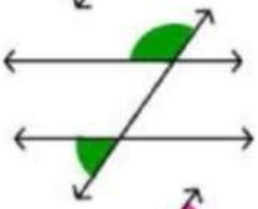
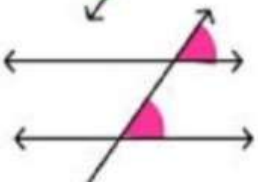
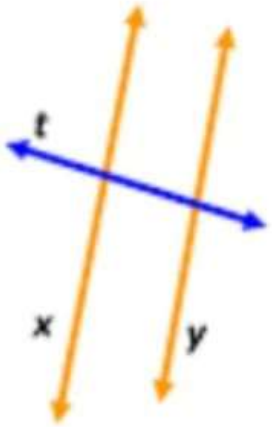
Worksheet -4 Subject: - Mathematics Class: - VII Teacher: - Ms. Neeru

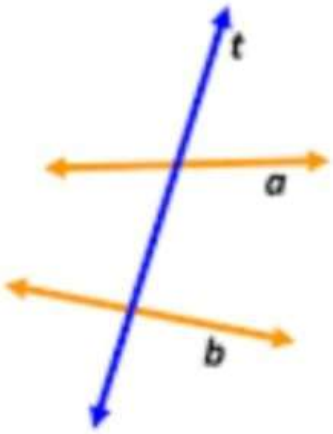
Name: _____ Class & Sec: _____ Roll No. _____ Date: 05.08.2020

Alternate Interior Angles		Equal
Same Side Interior Angles		Supplementary
Alternate Exterior Angles		Equal
Same Side Exterior Angles		Supplementary
Corresponding Angles		Equal

Transversal

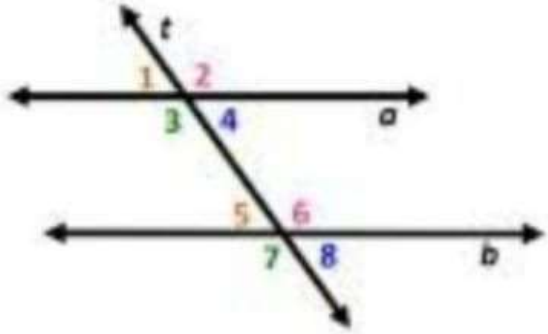
a line that intersects at least two other lines





Line *t* is a transversal.

Parallel Lines



Line *a* is parallel to line *b* when

Corresponding angles are congruent	$\angle 1 \cong \angle 5$, $\angle 2 \cong \angle 6$, $\angle 3 \cong \angle 7$, $\angle 4 \cong \angle 8$
Alternate interior angles are congruent	$\angle 3 \cong \angle 6$ $\angle 4 \cong \angle 5$
Alternate exterior angles are congruent	$\angle 1 \cong \angle 8$ $\angle 2 \cong \angle 7$
Consecutive interior angles are supplementary	$m\angle 3 + m\angle 5 = 180°$ $m\angle 4 + m\angle 6 = 180°$