

## Solutions for GeoWorkSheet No. 44

Solutions sheet No. 44		Mixed Angle Properties 1
	Answer	Reason
1	$a = 93$	An angle of revolution is $360^\circ$
2	$b = 94$	Straight angles are supplementary ( $180^\circ$ )
3	$c = 138$	Vertically opposite angles are equal.
4	$d = 151$	An angle of revolution is $360^\circ$
5	$e = 90$	Straight angles are supplementary ( $180^\circ$ )
6	$f = 150$	Vertically opposite angles are equal.
7	$g = 117$	An angle of revolution is $360^\circ$
8	$h = 69$	Straight angles are supplementary ( $180^\circ$ )
9	$j = 61$	Straight angles are supplementary ( $180^\circ$ )
10	$k = 104$	Vertically opposite angles are equal.
11	$m = 101$	Straight angles are supplementary ( $180^\circ$ )
12	$n = 75$	An angle of revolution is $360^\circ$
13	$p = 98$	Vertically opposite angles are equal.
14	$q = 55$	Straight angles are supplementary ( $180^\circ$ )
15	$r = 110$	Vertically opposite angles are equal.
16	$s = 61$	Straight angles are supplementary ( $180^\circ$ )
17	$t = 90$	Vertically opposite angles are equal.
18	$u = 123$	An angle of revolution is $360^\circ$
19	$v = 39$	Straight angles are supplementary ( $180^\circ$ )
20	$w = 141$	Straight angles are supplementary ( $180^\circ$ )