

Solutions for GeoWorkSheet No. 40

Solutions sheet No. 40		Vertically Opposite Angles
	Answer	Reason
1	$a = 120^\circ$	Vertically opposite angles are equal.
2	$b = 82^\circ$	Vertically opposite angles are equal.
3	$c = 57^\circ$	Vertically opposite angles are equal.
4	$d = 135^\circ$	Vertically opposite angles are equal.
5	$e = 78^\circ$	Vertically opposite angles are equal.
6	$f = 86^\circ$	Vertically opposite angles are equal.
7	$g = 90^\circ$	Vertically opposite angles are equal.
8	$h = 115^\circ$	Vertically opposite angles are equal.
9	$j = 42^\circ$	Vertically opposite angles are equal.
10	$k = 97^\circ$	Vertically opposite angles are equal.
11	$m = 140^\circ$	Vertically opposite angles are equal.
12	$n = 36^\circ$	Vertically opposite angles are equal.
13	$p = 93^\circ$	Vertically opposite angles are equal.
14	$q = 52^\circ$	Vertically opposite angles are equal.
15	$r = 90^\circ$	Vertically opposite angles are equal.
16	$s = 110^\circ$	Vertically opposite angles are equal. (and angle sum of adjacent angles)
17	$t = 50^\circ$	Vertically opposite angles are equal.
18	$u = 25^\circ$	Vertically opposite angles are equal. (and angle sum of adjacent angles)
19	$v = 60^\circ$	Vertically opposite angles are equal. (and angle sum of adjacent angles)
20	$w = 90^\circ$	Vertically opposite angles are equal.