

## Solutions for GeoWorkSheet No. 55

Solutions sheet No. 55		Special Triangles
	Answer	Reason
1	$a = 30$	Angle sum of an isosceles triangle.
2	$b = 70$	Angle sum of an isosceles triangle.
3	$c = 30$	Angle sum of a triangle.
4	$d = 45$	Angle sum of an isosceles triangle.
5	$e = 72$	Angle sum of an isosceles triangle.
6	$f = 54$	Angle sum of an isosceles triangle.
7	$g = 122$	Angle sum of an isosceles triangle.
8	$h = 60$	Angle of an equilateral triangle.
9	$j = 60$	Angle sum of a triangle.
10	$k = 124$	Angle sum of an isosceles triangle.
11	$m = 111$	Equal angles of an isosceles triangle and straight angle.
12	$n = 102$	Equal angles of an isosceles triangle and straight angle.
13	$p = 108$	Angle sum of an isosceles triangle and straight angle.
14	$q = 120$	Angle of an equilateral triangle and straight angle.
15	$r = 135$	Angle of an isosceles triangle and straight angle.
16	$s = 130$	Angle sum of an isosceles triangle and straight angle.
17	$t = 116$	Angle sum of an isosceles triangle and straight angle.
18	$u = 114$	Angle sum of an isosceles triangle and straight angle.
19	$v = 73\frac{1}{2}$	Angle sum of an isosceles triangle.
20	$w = 44$	Straight angle and angle sum of an isosceles triangle.