Name: AK

Law of Sines: Cases and Results Practice

Now you'll figure out the case you're given and decide how many triangles are possible (assuming it's ambiguous). After deciding the number of solutions, solve them!

	Given	Sketch	Case	Triangles
1	$\triangle ABC: A = 73°,\ C = 24°,\ b = 95$		ASA	1
2	$\triangle GDZ: G = 63°,\ g = 8.6,\ z = 11$		ASS	1
3	$\triangle MVP: M = 54°,\ m = 23,\ p = 28$		ASS	2
4	$\triangle PDQ: Q = 110°,\ q = 43,\ p = 50$		ASS	0
5	$\triangle DAF: D = 95°,\ F = 81°,\ d = 25$		ASS	1
6	$\triangle JEL: J = 82°,\ j = 56,\ l = 55$		ASS	1
7	$\triangle TRU: T = 134°,\ t = 98,\ u = 70$		ASS	1

1) $A = 73°$ $a = 92$
$B = 83°$ $b = 95$
$C = 24°$ $c = 95$

2) $P = 11°$ $d = 1.8$
$G = 63°$ $g = 8.6$
$Z = 106°$ $z = 9.3$

3) $M = 54$ $m = 23$
$V = 46°$ $v = 20.4$
$P = 80°$ $p = 28$

$M = 54°$ $m = 23$
$V' = 26°$ $v' = 12.5$
$P' = 100°$ $P = 28$

5) $D = 95°$ $d = 25$
$A = 4°$ $a = 1.8$
$F = 81°$ $F = 24.8$

6) $J = 82°$ $j = 56°$
$E = 55$ $e = 76°$
$L = 21$ $l = 21°$

7) $T = 134°$ $t = 98$
$R = 15°$ $r = 35$
$U = 31°$ $u = 70$