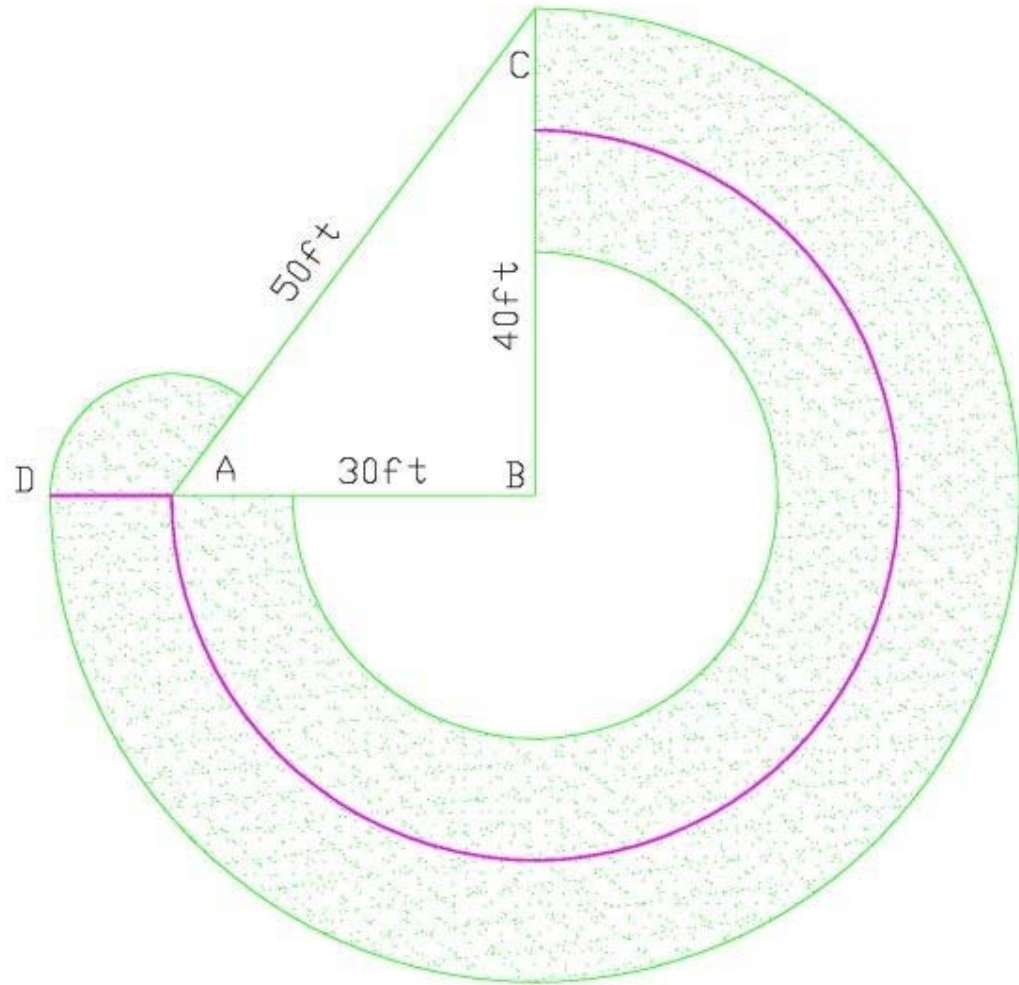


**SOLUTION TO FALL, 2009 NEWSLETTER PUZZLE**



**GEOD CORPORATION**

AERIAL PHOTOGRAMMETRY • LAND SURVEYING



Sin A = 0.8 therefore Angle [BAC]=53.130102° (Sin = opp over hyp)  
 Angle [DAC] = 180° - Angle [BAC] = 126.86989° = **0.352416 of a full circle**

	Radius (ft)	Full Area	Percentage Used	Grazing Area (Sq ft)
Outer Circle	40	5026.548246	0.750000	3769.91
Inner Circle	20	1256.637061	0.750000	942.48
			Difference	2827.43
Small 10ft Circle	10	314.1592654	0.352416	110.71
Total Area			Sum	<b>2938.15</b>



**WINNER SELECTED AT RANDOM FROM ALL CORRECT ANSWERS:**

Kevin Kammerer, P.E., L.S. & P.P., Voorhees Site Development

CMX

(Special Thanks to Greg Braun, P.E., Senior Engineer at ARCADIS U.S., Inc. for sharing his photos with us and proving that, with or without wine, goats really do roam!)