

HONORS GEOMETRY SEMESTER 2 FINAL EXAM REVIEW – ANSWER KEY

Number	Answer	Number	Answer
1	A' (0,1) B' (-1,-1) C' (1, -1/3)	25	67.4
2	C' (-4,2) N' (4,4) P' (0,-2)	26	55.5 ft
3	2	27	77.4 units ²
4	A	28	77.4°
5	A	29	5.3 miles
6	S	30	109.5°
7	A	31	y→1 dilation 3/5
8	X=16 Y=36	32	64°
9	2:3	33	90°
10	X=20	34	58°
11	N=13 M=75	35	116°
12	SAS~ ΔABC~ΔDEC	36	90°
13	AA~ ΔHJG~ΔLKG	37	20.5
14	SSS~ ΔPQR~ΔTSU	38	Angle Bisectors then drop perp.
15	AA~ ΔAEB~ΔADC	39	Perp. Bisectors

16	DC=9 DE=6	40	48°
17	AC=10	41	$(x+66)^2+(y-13)^2=144$
18	QP=10	42	50π units
19	8 ft	43	192root3 units²
20	>	44	384root3 units²
21	>	45	605/3 π units³
22	3/5	46	25m
23	3/5	47	120cm³
24	8root2	48	561mm³
		49	See picture
		50	Isos. triangle
		51	Square