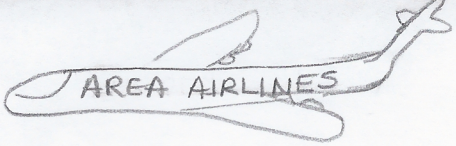


$A = \frac{1}{2}ab\sin C$

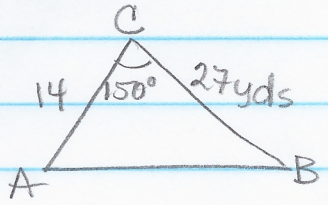
$A = \sqrt{s(s-a)(s-b)(s-c)}$

$s = \frac{a+b+c}{2}$

$A_{\triangle} = \frac{\sqrt{3}}{4}s^2$

Mon. Nov. 19th

SAS 1.

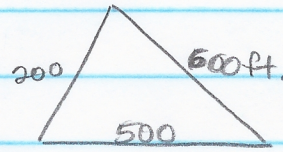


$A = \frac{1}{2}ab\sin C$

$A = \frac{1}{2}(14)(27)\sin 150°$

$A = 94.5\ yd^2$

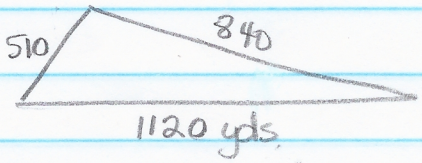
SSS 2.



$A = \sqrt{650(650-600)(650-500)(650-200)}$

$s = 650$ $A = 46837.485\ ft^2$

SSS 3.



$s = 1235$

$A = \sqrt{s(s-510)(s-840)(s-1120)}$

$A = 201{,}674.018\ yd^2$

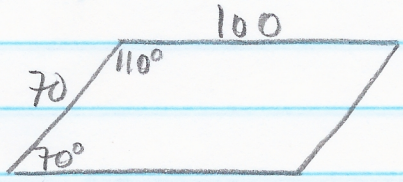
$A = 41.668$ acres

$\$2000$/acre

1 acre $= 4840\ yd^2$

Cost $= \$83{,}336.37$

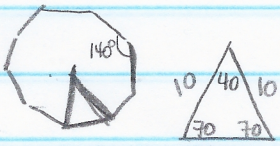
SAS 4.



$A = \frac{1}{2}\ 70(100)\sin(110°)$ (70)

$A = 3288.924$

$A = \frac{1}{2}ap$ OR SAS 5.



$A = 9\left(\frac{1}{2}(100)\sin 40°\right) = 289.254\ in^2$

$A = \frac{\sqrt{3}}{4}s^2$

$= \frac{\sqrt{3}}{4}\cdot(12)^2$

$= 36\sqrt{3}$

$\approx 62.354\ in^2$

$A_{\triangle}$ 6.