Beginner:

BS:
http://www.lightoj.com/volume_showproblem.php?problem=1062
http://www.lightoj.com/volume_showproblem.php?problem=1137

Vector 2D: https://github.com/jaehyunp/stanfordacm/blob/master/code/Geometry.cc
Convex Hull:
LOJ 1239: http://pastebin.com/HpKTN1wr
LOJ 1203, 1285.

Analytical Geometry: UVA 10283, 10286, 10287 (BS)

Advance:

Vector Theory:
Operations: projection, reflection, mirror, rotation, Area of polygon, 3D volume.
Linear Transformation: Mirror Query
https://docs.google.com/document/d/1KvJj5eDQwoV7dMuXw0gJcOZVZc1SlytIy_pQxm4mo2I

Vector routine: 2D https://github.com/jaehyunp/stanfordacm/blob/master/code/Geometry.cc
Algo Links: http://geomalgorithms.com/algorithms.html

http://www.lightoj.com/volume_showproblem.php?problem=1313
http://www.lightoj.com/volume_showproblem.php?problem=1358
Crazy Minion:
https://drive.google.com/open?id=0B1o0gxWv12-vV1duc19nZ0d1SlFKN3QyQXRZNXZoSmViUFA4
https://uva.onlinejudge.org/external/120/12029.pdf
Timus: 1703, 1710, 1697
TJU: 3114
UVA: 11580

Algorithm:

N circle union area n^2 log n (live archive 2895 dhk 03, SGU 435)
Number of obtuse angle triangle n^2 log n (uva 11529)

Rotating Calipers:
http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.155.5671&rep=rep1&type=pdf

http://poj.org/problem?id=3608
http://poj.org/problem?id=2187
Rectangular Dustbin: Polygon dust.

- Soldier spells.

Convex Combination:
http://codeforces.com/contest/605/problem/C
https://en.wikipedia.org/wiki/Convex_combination

Packing Problems:

10283 **
10286 *
10287 *** +BS
10289 **** +BS
10353 **** +BS
10402
10481 **** +BS

11009 ****

Geodesic Distance

http://en.wikipedia.org/wiki/Great-circle_distance
10517 ***
10598 ***
10809 ***** - Geodesic distance / Solving Using Parameter / Great Circle's Clear Concept.