

Let $A = (0, 1, 0)$; $B = (5, 5, 5)$;
 $C = (-1, 2, 3)$; $D = (5, 0, 2)$.

HW 6

- Express \vec{AB} , \vec{AC} , \vec{AD} , \vec{BC} , \vec{BD} ,
and \vec{CD} using $\langle \quad, \quad, \quad \rangle$ form.
- Find the areas of the triangles
 ABC , ABD , ACD , and BCD .
- Add these to find the surface area
of tetrahedron $ABCD$.
- Find the volume of $ABCD$.
- Find the total length of $ABCD$'s 6 edges.
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⑥ Find the area of this parallelogram.

