

Zadatak 11. Nacrtaj paralelogram $ABCD$ i odredi njegovo središte S . Izračunaj:

- 1) $\overrightarrow{BC} - \overrightarrow{DC}$;
- 2) $\overrightarrow{AB} - \overrightarrow{BC}$;
- 3) $\overrightarrow{AS} - \overrightarrow{BS}$;
- 4) $\overrightarrow{BS} - \overrightarrow{SD}$;
- 5) $\overrightarrow{AC} - \overrightarrow{SC}$;
- 6) $\overrightarrow{AS} - \overrightarrow{SD}$.

Rješenje.

- 1) $\overrightarrow{BC} - \overrightarrow{DC} = \overrightarrow{BC} + \overrightarrow{CD} = \overrightarrow{BD}$;
- 2) $\overrightarrow{AB} - \overrightarrow{BC} = \overrightarrow{AB} + \overrightarrow{DA} = \overrightarrow{DA} + \overrightarrow{AB} = \overrightarrow{DB}$;
- 3) $\overrightarrow{AS} - \overrightarrow{BS} = \overrightarrow{AS} + \overrightarrow{SB} = \overrightarrow{AB}$;
- 4) $\overrightarrow{BS} - \overrightarrow{SD} = \overrightarrow{BS} - \overrightarrow{BS} = \vec{0}$;
- 5) $\overrightarrow{AC} - \overrightarrow{SC} = \overrightarrow{AC} + \overrightarrow{CS} = \overrightarrow{AS}$;
- 6) $\overrightarrow{AS} - \overrightarrow{SD} = \overrightarrow{AS} - \overrightarrow{BS} = \overrightarrow{AS} + \overrightarrow{SB} = \overrightarrow{AB}$.

