**Darba lapa “Vektora koordinātas, darbības ar vektoriem koordinātu formā”**

**Ceļvedis lietotājam:**

1. izdales materiāls noderēs gan skolēniem tēmas apguvei, gan skolotājiem kā darba lapa vielas nostiprināšanai;
2. darba veikšanai nepieciešami rakstāmpiederumi un lineāls.

**1.uzdevums**

**Kā noteikt vektora koordinātas?**

Zināms, ka

a ) un K Nosaki punkta L koordinātas!

b ) un N Nosaki punkta M koordinātas!

Uzzīmē šos vektorus!

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**2.uzdevums**

**Kā, zinot vektora koordinātas, noteikt tā garumu?**

Pierādīt, ka četrstūris OPRS ir paralelograms, ja O(-4; 2), P(0; 4), R(6; -2), S(2; -4).

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**3.uzdevums**

**Kā atrast divu vektoru summas koordinātas?**

Doti vektori =(-1;5) un =(6;4). Nosaki vektora = + koordinātas!

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**4.uzdevums**

**Kā atrast divu vektoru starpības koordinātas?**

Doti vektori =(-1;5) un =(6;4). Nosaki vektora = koordinātas!

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**5.uzdevums**

Zināms, ka un Nosaki vektora koordinātas!

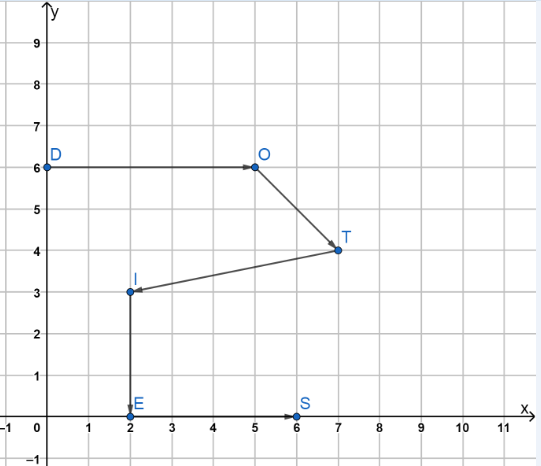
**6.uzdevums**

**Kā atrast koordinātas vektoram, kas reizināts ar skaitli?**

Dots vektors =(-1;5). Nosaki vektora 3 koordinātas!

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**7.uzdevums**

Suns pārvietojās pa trajektoriju DOTIES, bet suņa saimnieks devās taisni no punkta D uz punktu S. Izsaki vektorus unkoordinātu formā! Aprēķini koordinātu formā Salīdzini iegūto summas vektoru ar vektoru Nosaki saimnieka veiktā ceļa garumu!

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