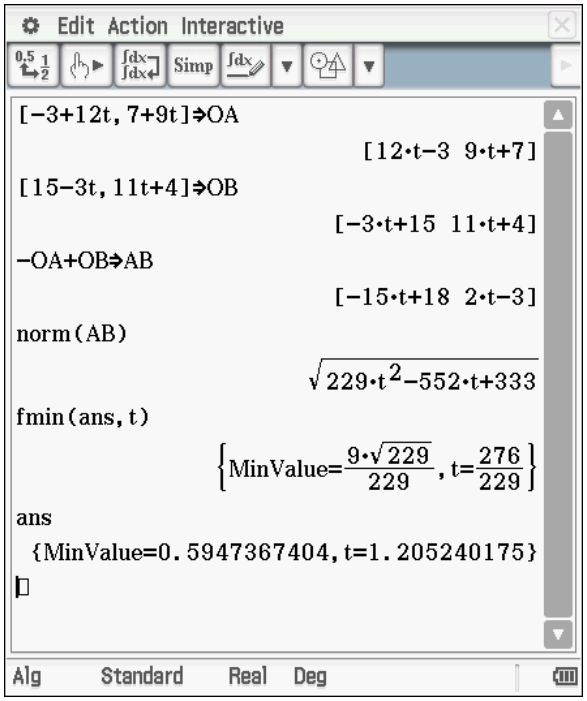
Activity 11 Parametric and vector equations

1. No, the ships do not collide.
2. Answers will vary depending on setup of window.
3. $\overrightarrow{AB} = (18 - 15t)\mathbf{i} + (2t + 3)\mathbf{j}$ km
4. Minimum separation distance is ≈595 m. So, no, ships do not come within 500 m of each other.



By switching between Decimal and Standard, we can obtain both exact answers and decimal approximations.