

4 Vectors — Part 1 — Answers

Answers

Work through these after you have tried the questions yourself.

2.1 a magnitude (size/length) and a direction.

2.2 $\langle 2 + 5, 3 + 1 \rangle = \langle 7, 4 \rangle$.

2.3 $\sqrt{6^2 + 8^2} = \sqrt{100} = 10$.

2.4 $\langle 6, 12 \rangle$.

2.5 $\text{sum} = \langle 5, 12 \rangle$; $\text{magnitude} = \sqrt{5^2 + 12^2} = \sqrt{169} = 13$.