

Vectors Worksheet: Vector Components

Let $P = (-2, 2)$, $Q = (3, 4)$, $R = (-2, 5)$ and $S = (2, -8)$.

Find the component form and magnitude of the vector.

1. $\overrightarrow{PQ}$

Component form: $\langle \quad , \quad \rangle$

Magnitude (leave in sqrt form): $\sqrt{\quad}$

2. $\overrightarrow{RS}$

Component form: $\langle \quad , \quad \rangle$

Magnitude (leave in sqrt form): $\sqrt{\quad}$

3. $\overrightarrow{QR}$

Component form: $\langle \quad , \quad \rangle$

Magnitude (leave in sqrt form): $\sqrt{\quad}$