

Understanding a Vector day 6 Answers

1. Graph the points and draw a vector from A to B. The tip of the vector should be at B.
2. $\langle -4, 11 \rangle$
3. $|\overline{AB}| = \sqrt{137}$, $|\overline{BA}| = \sqrt{137}$
4. Add \vec{v} onto the tip of \overline{AB} on the graph and draw in the resultant
5. $\langle -5, 5 \rangle$. Check to be sure that algebraically, $\vec{v} + \overline{AB}$ is the same as the components of the resultant on the graph.
6. -6
7. $\frac{1}{6}$
8. $\langle 6, 1 \rangle$ (sample answer)
9. $(4, 1)$
10. $(-3, 1)$
11. $\langle -5, -8 \rangle$
12. $\langle 4, 10 \rangle$
13. $\langle -6, 1 \rangle$