

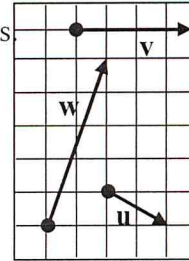
Vector Worksheet #1

Use separate paper--graph paper if necessary.

Introduction to Vectors

Algebra II/Trigonometry Honors

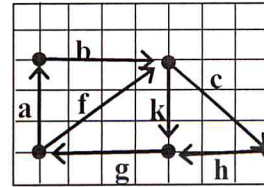
In Problems 1-6, use the vectors in the figure at the right to **graph** the following vectors



- | | | |
|------------------------------|---|---|
| 1. $\mathbf{v} + \mathbf{w}$ | 2. $\mathbf{u} + \mathbf{v}$ | 3. $3\mathbf{u}$ |
| 4. $\mathbf{w} - \mathbf{v}$ | 5. $3\mathbf{v} + \mathbf{u} - 2\mathbf{v}$ | 6. $2\mathbf{u} - 3\mathbf{v} + \mathbf{w}$ |

In Problems 7- 12, determine whether each statement is true or false.

- | | | |
|---|---|--|
| 7. $\mathbf{a} + \mathbf{b} = \mathbf{f}$ | 8. $\mathbf{k} + \mathbf{g} = \mathbf{f}$ | 9. $\mathbf{c} + \mathbf{h} = \mathbf{k}$ |
| 10. $\mathbf{b} + \mathbf{k} + \mathbf{g} = \mathbf{a}$ | 11. $\mathbf{a} - \mathbf{b} = \mathbf{g} - \mathbf{k}$ | 12. $\mathbf{a} + \mathbf{b} + \mathbf{k} + \mathbf{g} = \mathbf{0}$ |



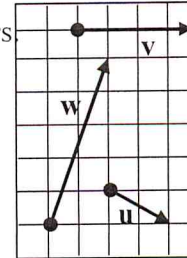
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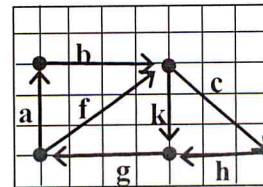
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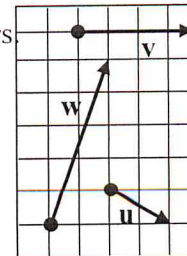
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