Name	Date
Teacher	Period

Vector Review W.S.

1. What is the difference between a vector and a scalar?

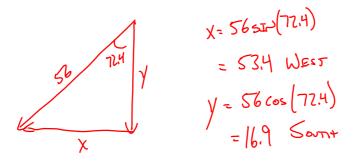
What method is used to add vectors? 2.

3. List a few examples of vectors.

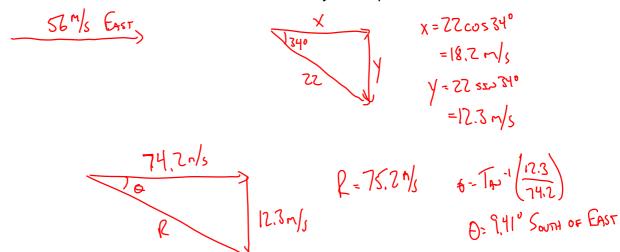
- You can row a boat in still water a velocity of 12 m/s. If you row downstream (with the 4. current) in a river that is flowing at a rate of 5 m/s, how long will it take you reach the end of the river 1500 m downstream? $\sqrt{2} |\nabla n/s| = 15000$ t = $\frac{1500}{12} = 88.2$ s
- Two vectors with magnitudes of 3 m and 4 m are added together. What is the maximum 5. value that the resultant could be? What is the minimum possible value of the resultant? Max= In

7. 23 m/s South. What is the magnitude and direction of the vector?

What are the components of a vector with a magnitude of 56 m/s² and a direction of 8. 72.4° West of South?



9. A plane travelling at a velocity of 56 m/s east encounters a wind blowing 22 m/s, 34° South of East. What is the resultant velocity of the plane?



4. A dog travels 37 m, 23⁰ South of West. It then turns and travels 29 m, 41⁰ East of South. What is the dogs displacement from its starting position?

