Direct Variation Word Problem Worksheet

Name: _____ **Due Date:** _____

For each problem below, answer the question that is asked, then state the constant of variation for each problem and write an equation in $y = kx$ form to represent the problem.

1. y varies directly as x. If $x = 7$ when $y = 42$, find x when $y = 30$.

2. Heather's weekly pay is directly proportional to the number of hours she works at the record store. Her pay is $[illegible] for 24 hours of work. Find the amount of pay for 40 hours of work.

3. Eduardo counted two seconds between seeing lightning and hearing thunder, and he knew that the lightning was about 2 miles away. If he counted four seconds between the new flash of lightning and thunder, about how far away was the lightning?