Finding Sums and Differences of Real Numbers

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| Find each sum. | Find each difference. |

1. Draw a representation of the word problem below.

An eagle starts flying off the cliff at an elevation of 42 ft. Elevation is the distance above sea level. The eagle flies 140 ft. high then back down 126 ft to a light pole. He then flies up 25 ft. to the top of a pine tree before he continues 65 ft. down to the brook. What is the elevation at the brook?

Finding products and Quotients of Real Numbers

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| Find each product. |  | Find each quotient. |  |

1. Determine whether each sentence is *always, sometimes,* or *never* true. Give your reasoning.
2. The product of a number and its reciprocal is -1.
3. The quotient of a nonzero number and its opposite is -1.
4. If the product of two fractions is negative, then their quotient is positive.