

Due Date: March 30, 2014

1.

Ramon sells two enchiladas and three tacos for \$2.50. He sells three enchiladas and two tacos for \$2.70.

How much cost for 3 enchiladas and 4 tacos?

2.

In a particular sequence, each term after the first two terms is the sum of the two preceding terms. The first term is 20 and the sixth term is 220. Let x_2 = the second term,

What is the 7th term x_7 ?

3.

The minute hand of a clock (that should be a 12-hour clock!) measures 10 cm from its tip to the center of the clock face. The hour hand measures 5 cm from its tip to the center of the clock face. We are asked to find the sum of the distances traveled by the tips of both hands in one 24-hour period. The

4.

$$(x - 2)^{(25 - x^2)} = 1$$

Find all values for x.