Solve each problem. <u>Answers</u> 1) Two companies are selling boxes of candy. The pieces of candy you get from Company A is represented in the table below. The pieces of candy you get per box from Company B is 1. represented by an equation, with y representing the total number of pieces for x boxes. **Company A Company B** y = 27xTotal Total Pieces **Boxes** 330 11 20 600 Find the total number of pieces you'd get from buying 13 boxes of candy from the company with the fewest pieces per box. 2) Two companies are selling sugar by the pound. The cost of sugar for Company A is represented in the table below, while the cost for Company B is represented by an equation, with y representing the total cost in dollars for x pounds of sugar. **Company A Company B** y = 0.30xTotal Total **Pounds** Cost (\$) 18 4.32 15 3.60 Find the total cost in dollars of buying 11 pounds of sugar from the more expensive company. 3) Two contractors are bidding on building a house. Contractor A's price is represented in the table below. Contractor B's price is represented by an equation, with y representing the total price and x representing the square feet of the house. **Contractor A Contractor B** y = 113x**Total Price** Square Feet (\$) 1356 166,788 1069 131.487 What is the difference in the price per square foot between contractor A and contractor B?

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