Solve each problem.

1) 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

Square Feet	Total Price ($)
1315	144,650
1795	197,450

Contractor B

y = 126x

Find the total price you'd get from building a 1,821 sq/ft house from the cheapest contractor.

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

Total Pounds	Total Cost ($)
14	4.06
12	3.48

Company B

y = 0.29x

Find the total cost in dollars of buying 19 pounds of sugar from the more expensive company.

3) Two companies are selling electricity by Kilo-watt hour. The cost of electricity 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 kilowatt hours.

Company A

Total Kilowatt-Hours	Total Cost ($)
1280	128.00
1312	131.20

Company B

y = 0.14x

What is the difference in price per kilowatt hour between Company A and Company B?

Answers

1. _____
2. _____
3. _____

Solve each problem.

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Contractor A

Square Feet	Total Price ($)
1315	144,650
1795	197,450

y = 110x

Contractor B

y = 126x

Find the total price you'd get from building a 1,821 sq/ft house from the cheapest contractor.

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Company A

Total Kilowatt-Hours	Total Cost ($)
1280	128.00
1312	131.20

y = 0.10x

Company B

y = 0.14x

What is the difference in price per kilowatt hour between Company A and Company B?

Answers

1. **200,310**
2. **5.51**
3. **0.04**