Solve each problem.

1) 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 ($)
1315	105.20
1304	104.32

Company B

y = 0.08x

Find the total cost in dollars of buying 1,254 kilowatt hours of electricity from the cheapest company.

2) Two companies are selling beef jerky by the pound. The cost of jerky 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 jerky.

Company A

Total Pounds	Total Cost ($)
11	286.00
14	364.00

Company B

y = 30.00x

Find the total cost in dollars of buying 11 pounds of jerky 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

Square Feet	Total Price ($)
1869	214,935
1423	163,645

Contractor B

y = 116x

What is the difference in the price per square foot between contractor A and contractor B?

Answers

1. _____
2. _____
3. _____

Solve each problem.

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1304	104.32

y = 0.08x

Company B

y = 0.08x

Find the total cost in dollars of buying 1,254 kilowatt hours of electricity from the cheapest company.

2) Two companies are selling beef jerky by the pound. The cost of jerky 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 jerky.

Company A

Total Pounds	Total Cost ($)
11	286.00
14	364.00

y = 26.00x

Company B

y = 30.00x

Find the total cost in dollars of buying 11 pounds of jerky 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

Square Feet	Total Price ($)
1869	214,935
1423	163,645

y = 115x

Contractor B

y = 116x

What is the difference in the price per square foot between contractor A and contractor B?

Answers

1. 100.32
2. 330
3. 1