Solve each problem.

1) 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 ($)
12	17
312.00	442.00

Company B

y = 15.00x

Find the total cost in dollars of buying 17 pounds of jerky from the cheapest company.

2) 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 ($)
1232	1016
135.52	111.76

Company B

y = 0.13x

Find the total cost in dollars of buying 1,097 kilowatt hours of electricity 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 ($)
1083	1618
123,462	184,452

Contractor B

y = 121x

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

Answers

1. _____
2. _____
3. _____

Comparing Measurement with Tables and Equations Name: **Answer Key**

Solve each problem.

1) 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 ($)
12	17
312.00	442.00

y = 26.00x

Company B

y = 15.00x

Find the total cost in dollars of buying 17 pounds of jerky from the cheapest company.

2) 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 ($)
1232	1016
135.52	111.76

y = 0.11x

Company B

y = 0.13x

Find the total cost in dollars of buying 1,097 kilowatt hours of electricity 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 ($)
1083	1618
123,462	184,452

y = 114x

Contractor B

y = 121x

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

Answers

1. 255
2. 142.61
3. 7