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 ($)
16	480.00
12	360.00

Company B

y = 12.00x

Find the total cost in dollars of buying 13 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 ($)
1069	128.28
1397	167.64

Company B

y = 0.08x

Find the total cost in dollars of buying 1,328 kilowatt hours of electricity from the more expensive company.

3) 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 ($)
11	3.19
13	3.77

Company B

y = 0.27x

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

Answers

1. _____
2. _____
3. _____

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 ($)
16	480.00
12	360.00

y = 30.00x

Company B

y = 12.00x

Find the total cost in dollars of buying 13 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 ($)
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Company B

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Find the total cost in dollars of buying 1,328 kilowatt hours of electricity from the more expensive company.

3) 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 ($)
11	3.19
13	3.77

y = 0.29x

Company B

y = 0.27x

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

Answers

1. **156**
2. **159.36**
3. **0.02**