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 ($)
1236	98.88
1419	113.52

Company B

y = 0.08x

Find the total cost in dollars of buying 1,018 kilowatt hours of electricity from the cheapest company.

2) 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 ($)
1993	229,195
1202	138,230

Contractor B

y = 118x

Find the total price you'd get from building a 1,168 sq/ft house from the more expensive contractor.

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 ($)
10	2.90
13	3.77

Company B

y = 0.20x

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 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 ($)
1236	98.88
1419	113.52

y = 0.08x

Company B

y = 0.08x

Find the total cost in dollars of buying 1,018 kilowatt hours of electricity from the cheapest company.

2) 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 ($)
1993	229,195
1202	138,230

y = 115x

Contractor B

y = 118x

Find the total price you'd get from building a 1,168 sq/ft house from the more expensive contractor.

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 ($)
10	2.90
13	3.77

y = 0.29x

Company B

y = 0.20x

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

Answers

1. 81.44
2. 137,824
3. 0.09