



Solve each problem.

Answers

- 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 (\$)
1978	225,492
1926	219,564

Contractor B

$$y = 115x$$

1. _____

2. _____

3. _____

Find the total price you'd get from building a 1,488 sq/ft house from the cheapest contractor.

- 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 (\$)
1264	126.40
1417	141.70

Company B

$$y = 0.14x$$

Find the total cost in dollars of buying 1,248 kilowatt hours of electricity from the more expensive company.

- 3) Two junk yards offered money for scrap metal. Junk Yard A's price is represented in the table below. Junk Yard B's price is represented by an equation, with y representing the total price and x representing the pounds of metal recycled.

Junk Yard A

Pounds	Total Price (\$)
1406	2,713.58
1462	2,821.66

Junk Yard B

$$y = 1.90x$$

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



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- 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 (\$)
1978	225,492
1926	219,564

$$y = 114x$$

Contractor B

$$y = 115x$$

Find the total price you'd get from building a 1,488 sq/ft house from the cheapest contractor.

- 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 (\$)
1264	126.40
1417	141.70

$$y = 0.10x$$

Company B

$$y = 0.14x$$

Find the total cost in dollars of buying 1,248 kilowatt hours of electricity from the more expensive company.

- 3) Two junk yards offered money for scrap metal. Junk Yard A's price is represented in the table below. Junk Yard B's price is represented by an equation, with y representing the total price and x representing the pounds of metal recycled.

Junk Yard A

Pounds	Total Price (\$)
1406	2,713.58
1462	2,821.66

$$y = 1.93x$$

Junk Yard B

$$y = 1.90x$$

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

Answers1. **169,632**2. **174.72**3. **0.03**