Quiz Review

1. A store sells 4 steak tacos $9.40. The cost of tacos varies directly with the number bought. How much do 9 tacos cost?

2. The cost of peanuts varies directly with the number of pounds bought. If 6 pounds of peanuts cost $20.10, what is the cost of 10.5 pounds?

3. Find y when x = 70 if y = 36 when x = 5.

4. If x = 5 when y = 8, find x when y = 70.

5. What is the slope of the line that passes through the points *E*(5, 1) and *F*(2,-7)?

6. What are the slope and *y*-intercept for the graph of *y* - 5*x* = -7

7. What are the slope and y-intercept for the graph of 8 = -4x + 2y

8. Graph the equation 6x + 3y = 12

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9. Graph the equation y = $\frac{2}{3}x$ - 2

10. Store A is offering four tubes of lip gloss for $15.00. The costs for lip gloss at Store B are shown in the table. Assume the cost for the lip gloss varies directly with the number of tubes. At which store does the lip gloss cost more? Explain.

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| --- | --- | --- | --- |
| **Number of Tubes** | 3 | 5 | 7 |
| **Cost ($)** | 12 | 20 | 28 |