**Lesson 8 Problem-Solving Practice**

***Write Linear Equations***

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| **1.** The Soccer Banquet committee has found that 2 trays of lasagna will serve 15 people and 4 trays of lasagna will serve 30 people. Write an equation in point-slope form to represent the number of people *y* that can be served with *x* trays of lasagna. | **2.** The cost for one ticket to a jazz concert is $7.50. Two tickets cost $15. Write an equation in point-slope form to represent the total cost *y* for *x* tickets. |
| **3.** The table shows the cost of tennis lessons. Write an equation in point-slope form to represent the cost *y* of *x* tennis lessons.   |  |  | | --- | --- | | **Number of**  **Lessons** | **Cost ($)** | | 5 | 100 | | 10 | 150 | | **4.** It took 35 seconds for 5 songs to download to Rebecca’s computer. The next day, it took 42 seconds for 6 songs to download. Write an equation in point-slope form to represent the time *y* it took to download *x* songs. |
| **5.** After 3 hours of driving, Elyse is 183 miles away from home. After 5 hours of driving, she is 305 miles from home. Write an equation in point-slope form to determine her distance *y* from home after *x* hours. | |