

Lesson 6 Problem-Solving Practice

Write Linear Equations

1. BANQUETS 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. CONCERT 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. TENNIS 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. DOWNLOADS 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. TRAVEL 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.