## Get to the Point! A Solidify Understanding Task

Carlos and Clarita need to clean the storage shed where they plan to board the pets. They have decided to hire a company to clean the windows. After collecting the following information, they have come to you for help
 deciding which window cleaning company they should hire.

- Sunshine Express Window Cleaners charges $\$ 50$ for each service call, plus $\$ 10$ per window.
- "Pane"less Window Cleaners charges $\$ 25$ for each service call, plus $\$ 15$ per window.

1. Which company would you recommend, and why? Prepare an argument to convince Carlos and Clarita that your recommendation is reasonable. (It is always more convincing if you can support your claim in multiple ways. How might you support your recommendation using a table? A graph? Algebra?)

Your presentation to Carlos reminds him of something he has been thinking about-how to find the coordinates of the points where the boundary lines in the "Pet Sitter" constraints intersect. He would like to do this algebraically since he thinks guessing the coordinates from a graph might be less accurate.
2. Write equations for the following two constraints.

- Space
- Start-up Costs

Find where the two lines intersect algebraically. Record enough steps so that someone else can follow your strategy.
3. Now find the point of intersection for the two time constraints.

- Feeding Time
- Pampering Time

