1. If $x + y = 2$, $y + z = 5$, and $x + y + z = 10$, then $y = ?$

2. Which of the following is equivalent to $p - s < p + s$?

A: $p > s$ B: $p > 0$ C: $s > p$ D: $s > 0$ E: $s < 0$

3. From a group of 6 juniors and 8 seniors on the student council, 2 juniors and 4 seniors will be chosen to make-up a 6-person committee. How many different 6-person committees are possible?

4. There is a parallelogram ABCD in the cartesian coordinates, here is the four vertex coordinates of the parallelogram. A (3 , 2), B (8 , 8), C (5 , -2), D (10 , 4). Find the area of this parallelogram.