Name: _____

Student ID: _____

- ❖ Show all work
- ❖ No notes, books, or calculators allowed.
- ❖ Write answers in lowest terms when possible

1. If y varies directly as x and $y = 9$ when $x = 6$, find y when $x = 10$.

2. If y varies directly as x and $y = 2$ when $x = \frac{1}{2}$, find y when $x = 5$.

3. If y varies inversely as x and $y = \frac{1}{2}$ when $x = 14$, find y when $x = \frac{1}{3}$.