

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

Simplify the expressions.

1. (3 points) $(8 - 4i) + (-3 + 2i) - (4 - 6i)$

2. (3 points) $(2 - i)(5 - 3i)$

Rationalize the denominator.

3. (4 points) $\frac{6}{3-i}$