Determine the imaginary roots of each equation by using the quadratic formula. Write all complex roots in standard form.

1. y = x2 + 5
2. y = 2x2 + 5x + 4
3. y = x2 -2x + 3

Perform the indicated operation and write the final expression in the form of a+bi.

1. (3-5i) + (2+2i)
2. (1+2i) – (3-4i)
3. (5+i)(3-2i)
4. (2-3i)2
5. $\frac{i}{1-i}$
6. $\frac{3-2i}{2+i}$