Convert the 2-D numbers below to a magnitude/angle representation (make sure you have the right angles, use a sketch), perform the indicated operations, and then convert back. Your answers should consist of integers. Look for a pattern.

1. If A = $\langle 3,5 \rangle$ and B = $\langle -4,2 \rangle$, calculate A x B.

2. If C = $\langle -3, -1 \rangle$ and D = $\langle -2, 5 \rangle$, calculate C x D.

3. $E = \langle -6, -2 \rangle$, $F = \langle 5, -4 \rangle$, find $F \times G$

4. $G = \langle 10,11 \rangle$, $H = \langle 4,1 \rangle$, find the inverse of H and use it to calculate $G \div H$.

5. Using A from problem 1, calculate A^2 .

6. Perform the indicated operations below *geometrically*. Use approximate angles.

