Alg2 - Factoring and Writing Equations Formative Assessment $(a \neq 1)$ Name: $\qquad$
Solve by factoring:

1. $2 x^{2}-7 x-15=0$

Given the zero(es), write the equation of least degree (assume $a=1$ ).
2. $x=1+7 i, x=-2$

Given the zero(es) and an ordered pair, write a polynomial equation of least degree.
3. $x=-3, x=3, x=1$ thru $(4,-63)$
4. $x=6-3 i$ with a $y$-intercept of 90
5. $x=2, x=4 i$ thru $(3,-5)$

