Quiz: HSA.SSE.B.3a

1.

$-2x^2 + 7x - 3 = 0$	$2x^2 + 9x + 4 = 0$	$x^2 - x - 12 = 0$
_____	_____	_____

Use factorization to find the zeros of each function.

Write your answers in the spaces provided.

2. Dahlia is factoring the equation $y = 2x^2 - 5x - 12$ to match the form $p(x+q)(x-r)$, where p, q, and r are all numbers greater than 1.

   What are the values of p, q, and r?

   p: _____

   q: _____

   r: _____

   Write the binomials to simplify each rational expression in the spaces provided.