

Name: _____ Date: _____

Factoring and Solving!

A. Factor each of the following

1) $x^2 + 13x + 40$	2) $x^2 - 13x + 40$
3) $x^2 + 3x - 40$	4) $x^2 - 3x + 40$
5) $3x^2 + 19x + 20$	6) $3x^2 + 13x + 4$
7) $5x^2 - 17x + 6$	8) $2x^2 + 3x - 9$
9) $36x^2 - 49$	10) $25x^2 - 1$
11) $x^2 - 49$	12) $x^2 - 25$

B. Matching: Match each question above with their SOLUTIONS

1)	2)
3)	4)
5)	6)
7)	8)
9)	10)
11)	12)

Solution choices	
-5 and -4/3	-7/6 and 7/6
3 and 2/5	5 and 8
5 and -8	-4 and -1/3
5 and -5	-5 and 8
-5 and -8	-7 and 7
1/5 and -1/5	-3 and 3/2