Math 1B Name _____

Homework: Solving Quadratic Equations by Factoring Unit 13 Day 3

Use the Zero-Product Property to solve each equation by factoring.

1. $(x + 7)(4x - 5) = 0$

2. $(8y - 3)(4y + 1) = 0$

3. $x^2 + x - 20 = 0$

4. $3x^2 - 17x + 10 = 0$

5. $4a^2 - 49 = 0$

6. $h^2 + 10h = -21$

$+21 \quad +21$

$h^2 + 10h + 21 = 0$

$(h + 7)(h + 3) = 0$

$h + 7 = 0 \quad h + 3 = 0$

$-7 \quad -7 \quad -3 \quad -3$

$\boxed{h = -7} \quad \boxed{h = -3}$

7. $3c^2 + 8c = 3$

8. $5m^2 = 17m - 6$

9. $x^2 = 25$