

Section/Lesson Title: COMPLETING THE SQUARE

Materials: WS

HW# 3.5 WS

Reflections:

I COMPLETING THE SQUARE

$$1) 4x^2 + 2x - 5 = 0$$

$$x^2 + \frac{1}{2}x - \frac{5}{4} = 0$$

$$x^2 + \frac{1}{2}x + \frac{1}{16} = \frac{5}{4} + \frac{1}{16}$$

$$(x + \frac{1}{4})^2 = \frac{21}{16}$$

$$x + \frac{1}{4} = \pm \frac{\sqrt{21}}{4}$$

$$\boxed{x = -\frac{1}{4} \pm \frac{\sqrt{21}}{4}}$$

WHEA!

2 LIKE THIS ON
ASSIGNMENT ☺

$$2) 3x^2 - 2x - 8 = 0 \quad (\text{TRY FACTORING 1ST})$$

$$3) -2x^2 - 8x - 6 = 0 \quad (\text{FACTOR})$$

$$4) 2x^2 + 6x - 16 = 0 \quad \left(-\frac{3}{2} \pm \frac{\sqrt{41}}{2}\right)$$

ON WS YOU CAN FACTOR OR COMPLETE THE SQ
- You decide ☺