

BE-Alg. 2 THURSDAY 8-20-09

SOLVE:

① $3x + 6x + 14 = 9x + 10 + 4$

ACT } For all y,
Imma }
Barris } $(y-2)(y-4) = ?$

IGW $\Rightarrow$ Q/HW

Solving Equations - Two Special Cases:

If you do everything correctly, your variable may "go away"!

If you are left with a true expression the solution is $x = \{\text{ALL REAL NUMBERS}\}$

If you ARE left with a false expression, the answer is $\boxed{\text{NO SOLUTION}}$

Ⓔ $3x + 5 = 3x + 2 + 3$

$$\begin{array}{r} 3x + 5 = 3x + 5 \\ -3x \quad -3x \end{array}$$

$$5 = 5 \text{ TRUE}$$

$\boxed{\text{ALL REAL}}$

Ⓔ $3x + 5 = 3x - 2$

$$\begin{array}{r} 3x + 5 = 3x - 2 \\ -3x \quad -3x \end{array}$$

$$5 = -2 \text{ FALSE}$$

$\boxed{\text{NO SOLUTION}}$