HW: Worksheet

Warm up:
Solve.

$$4 - x = -3x - 7$$

$$+3x + 3x - 7$$

$$-4 + 2x = -11$$

$$2x = -11$$

$$2x = -11$$

$$5x + 2 = 5x + 8$$

$$-5x - 5x$$

$$2 = 8$$
no solution

$$3x + 7 = 3x + 7$$

$$-3x - 3x$$

$$7 = 7$$

infinitely many solutions

$$4(x + 2) = 3(x + 6) + x$$

$$4x + 8 = 3x + 18 + x$$

$$4x + 8 = 4x + 18$$

$$-4x + 8 = 4x + 18$$

$$-4x + 8 = 4x + 18$$

$$-4x + 8 = 4x + 10$$

$$-4x - 4x$$

$$-4x - 4x$$

$$-4x - 4x$$

$$-4x - 4x$$

$$-6x - 10$$

$$-6x - 4x - 4x$$

$$-6x - 6x - 10$$

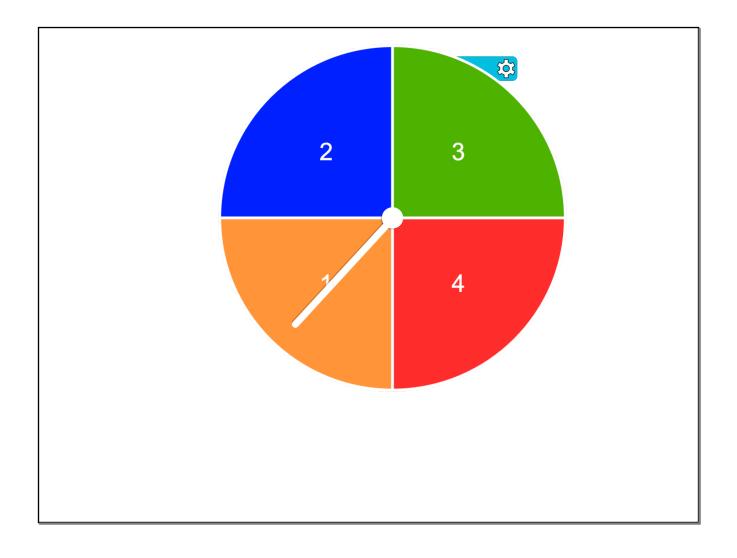
$$5n + 10 = 4(n + 3) - (2 - n)$$

$$5n + 10 = 4n + 12 - 2 + n$$

$$5n + 10 = 5n + 10$$

$$-5n - 5h$$

$$10 = 10$$
infinitely many solutions



$$-x+3(3x-2)=5+4(2x-1)$$

$$-x+9x-6=5+8x-1$$

$$-8x-6=8x+1$$

$$-8x$$

$$-6=1$$
no solution

$$9x - 4 = 2 + 3(2x - 5)$$

$$9x - 4 = 2 + 6x - 15$$

$$9x - 4 = 6x - 13$$

$$9x - 4 = 6x - 13$$

$$-6x$$

$$3x - 4 = -13$$

$$x4 + 4$$

$$3x = -9(x = -3)$$

$$5x + 8 = -x + 3(2x + 2) + 2$$

$$5u + 5(1-u) = u + 8$$

