

-Five minutes of silence

-Put your homework on
your desk

Warmup: Simplify the following expressions

1. $-8(3z+10)$

$$-24z - 80$$

2. $7(x+6) - 2(2x+3)$

$$\boxed{7x+42} - \boxed{4x-6}$$

$$3x + 36$$

$$3x + 45$$

Homework Check:

9. $6a + 60$

10. $32 + 8x$

33. $-20 - d$

34. $5 + 4y$

61. $-3x + y + 11$

85. $45d + 26$

62. $n - 4m + 1$

63. $3h^2 - 11h - 3$

87. $24 + 2t$

64. $ab + 2ab^2$

71. $33x + 22$

72. $25 + 10y$

73. $35n - 63$

Heart Method

$$\frac{7x+32}{4}$$

$$\frac{7x}{4} + \frac{32}{4}$$

$$\frac{7x}{4} + 8$$

$$\frac{2x+4}{2}$$

$$\frac{2x}{2} + \frac{4}{2}$$

$$1x + 2$$

$$x + 2$$

$$\frac{4x+17}{2}$$

$$\frac{4x}{2} + \frac{17}{2}$$

$$2x + \frac{17}{2}$$

$$\frac{6x+3}{3}$$

$$2x+1$$

$$8x + 5y - 8$$

(Note: The original image shows this equation with a horizontal line under the terms 8x, 5y, and 8, and a circled '2' below it, indicating a division by 2.)

$$\frac{8x}{2} + \frac{5y}{2} - \frac{8}{2}$$

$$4x + \frac{5}{2}y - 4$$

$$\frac{6x - 3m + 4}{2}$$

$$3x - \frac{3}{2}m + 2$$

$$2 \left(\frac{6x - 3m + 4}{2} \right)$$

$$6x - 3m + 4$$

$$\frac{1}{3} \left(\frac{4x + 6y - 8}{2} \right)$$

$$\frac{4x + 6y - 8}{2}$$

$$\frac{4x}{2} + \frac{6y}{2} - \frac{8}{2}$$

$$2x + 3y - 4$$

$$2 \left(\frac{15^*m + 18n - 3^*m + 4}{3} \right)$$

$$2 \left(\frac{12m + 18n + 4}{3} \right)$$

$$2 \left(4m + 6n + \frac{4}{3} \right)$$

$$8m + 12n + \frac{8}{3}$$

$$6(2m+4n) - 1(3m+5n)$$
$$\underline{12m} + 24n - \underline{3m} - 5n$$

$$9m + 19n$$

-x

+ ()

$$\frac{1}{2} \left(\frac{x+4y}{2} \right) - \left(\frac{2x+4}{2} \right)$$

$$-\frac{x}{2} + \frac{2y}{2}$$