

Name \_\_\_\_\_ Date \_\_\_\_\_

**Patterns and Relations**  
**Unit 3 Line Master 4a**

**Sum ‘Em**

Set 1: Sum = 4.5	
$-2(x + 1) = 4$	$2(x + 1) = 4$
$12 = 6(x - 1)$	$-3(2 - x) - x = 1$

Set 2: Sum = $4\frac{7}{10}$	
$3(1 - 2n) + n = 2$	$-2(3n - 1) + 2n = 4$
$4 = 6 - 2(n + 1)$	$3(n + 2) = 21$

Set 3: Sum = $-21\frac{2}{5}$	
$2(p + 1) = 3(p - 1)$	$-(3p + 4) = 5(2 - p)$
$4(2p - 6) = 3(3p + 3)$	$6(4 - p) = 2(p + 2)$

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**Patterns and Relations**  
**Unit 3 Line Master 4b**

**Sum 'Em (cont'd)**

Set 4: Sum =  $-4$

$$3.6x - 2(x + 1.3) = 9.7 + 2.9(x - 2)$$

$$4.3(2.1x - 1.2) - 5.67 = 3(5.9 - 6.5x)$$

$$-3(2.7 + 4.8x) = 5.5 - 8(1.3x + 5.7)$$

$$\begin{aligned} -2.9(6.4 - 8.3x) - 4x \\ = 10(2x - 1.912) \end{aligned}$$

Set 5: Sum =  $-13\frac{9}{12}$

$$\frac{1}{4}x - \frac{3}{8}(x + 16) = 2 + \frac{3}{4}(x + 1)$$

$$\frac{1}{2}(3x + 1) + 7 = \frac{3}{4}(5x + 6)$$

$$\frac{4}{5}(x + 2) - 5x = -2\left(\frac{3}{8}x - 7\right) + 6$$

$$\frac{3}{4}(4x - 8) + \frac{1}{4} = 5\left(2x - 1\frac{1}{2}\right)$$