

Warm Up #3.1, Definitions and Equations Date _____ Period _____

1) Draw a set of parallel lines and a transversal and labels the angles 1 through 8.

For Each of the following give 2 examples of the definition and state wheather they are congruent or supplementary.

2) Linear Pair

3) Alternate Interior

Vertical

Consecutive Interior

Adjacent

Alternate Exterior

Correspoending

Solve each equation.

4) $-21 = 3r + 4r$

5) $-18 = 7m + 6 + 5m$

6) $-5 = 3x - 8x$

7) $-3 + 5n + 6n = 19$

8) $153 = -3(7v - 2)$

9) $-120 = -5(4 - 5n)$

10) $8 - 2p = 7p - 1$

11) $-1 - 6x = -7 - 7x$

12) $-2(-8 - 4n) = -19 + n$

13) $-k + 4(4k + 3) = 8k - 23$

14) $-8(3 - 7x) = -8(-6x + 3)$

15) $-7(b - 5) = 4b - (8b + 4)$