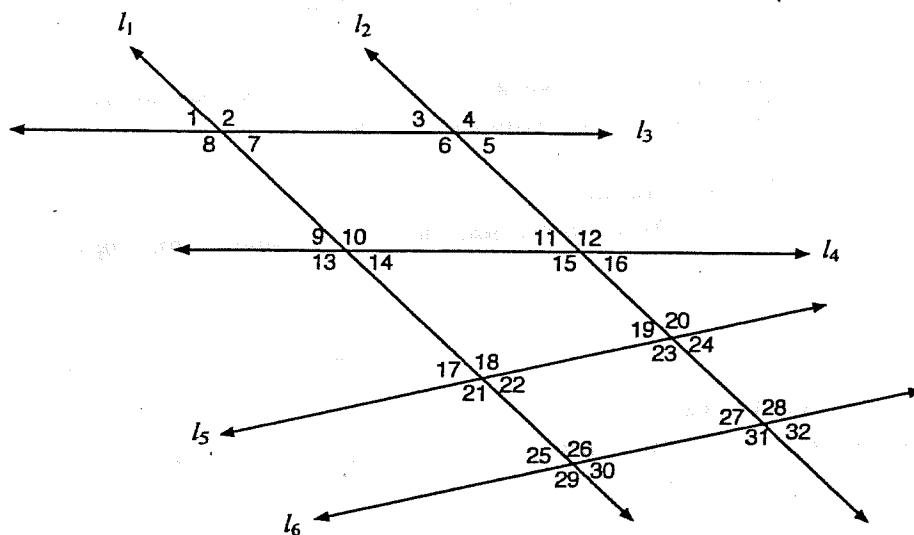


Determining Parallelism



Use the figure above and the information below to determine if the stated lines are parallel.

- lines l_1 and l_2 given:
 - $m\angle 1 = 5x + 7$,
 - $m\angle 2 = 26x - 199$,
 - $m\angle 3 = 17y - 443$,
 - $m\angle 4 = -4y + 233$.
- lines l_3 and l_4 given:
 - $m\angle 1 = 5x + 52$,
 - $m\angle 2 = 26x + 221$,
 - $m\angle 9 = 17y - 355$,
 - $m\angle 10 = -26y + 742$.
- lines l_5 and l_6 given:
 - $m\angle 19 = 7x + 5$,
 - $m\angle 24 = -10x + 396$,
 - $m\angle 28 = 23y + 543$,
 - $m\angle 32 = -7y + 5$.
- lines l_4 and l_5 given:
 - $m\angle 11 = -33y - 649$,
 - $m\angle 15 = 17y + 477$,
 - $m\angle 19 = -27x + 696$,
 - $m\angle 24 = 9x - 96$.
- lines l_1 and l_2 given:
 - $m\angle 17 = 7x + 57$,
 - $m\angle 22 = 10x + 66$,
 - $m\angle 19 = -31y + 252$,
 - $m\angle 24 = 35y - 210$.
- lines l_5 and l_6 given:
 - $m\angle 23 = 30y + 300$,
 - $m\angle 24 = -7y + 18$,
 - $m\angle 27 = 4x - 32$,
 - $m\angle 32 = 16x - 308$.
- lines l_3 and l_4 given:
 - $m\angle 2 = 11x + 98$,
 - $m\angle 7 = -8x + 97$,
 - $m\angle 9 = -27y + 57$,
 - $m\angle 10 = 22y + 108$.
- lines l_5 and l_6 given:
 - $m\angle 18 = 3x + 150$,
 - $m\angle 21 = 12x + 258$,
 - $m\angle 29 = -11y + 4$,
 - $m\angle 30 = 12y + 186$.
- lines l_1 and l_2 given:
 - $m\angle 15 = 3x + 58$,
 - $m\angle 16 = 27x - 538$,
 - $m\angle 9 = 16y - 120$,
 - $m\angle 13 = 5y + 69$.
- lines l_3 and l_4 given:
 - $m\angle 4 = 7x - 32$,
 - $m\angle 6 = -2x + 112$,
 - $m\angle 11 = 20y + 679$,
 - $m\angle 16 = 6y + 259$.