

SM2H 7.2 Parallel Lines and Angle Relationships Answers

- $\angle 1, \angle 8, \angle 4, \angle 5$
- $\angle 2, \angle 7, \angle 3, \angle 6$
- $\angle 2$ & $\angle 6, \angle 7$ & $\angle 3$
- $\angle 2$ & $\angle 3, \angle 7$ & $\angle 6$
- $\angle 1$ & $\angle 3, \angle 2$ & $\angle 4$
 $\angle 8$ & $\angle 6, \angle 7$ & $\angle 5$
- Corresponding
- Alternate Interior
- Alternate Exterior
- Linear Pair
- Linear Pair
- Alternate Interior
- Corresponding
- Same Side Interior
- None
- Vertical
- $\angle 3, \angle 6, \angle 8, \angle 9, \angle 11, \angle 14, \angle 16$
- $\angle 2, \angle 5, \angle 4, \angle 7, \angle 12, \angle 15, \angle 10, \angle 13$
- $m\angle 1, \angle 3, \angle 6, \angle 8, \angle 9, \angle 11, \angle 14, \angle 16 = 105$
 $m\angle 2, \angle 5, \angle 4, \angle 7, \angle 12, \angle 15, \angle 10, \angle 13 = 75$
- $x = 63$
Same Side Interior Angles Supplementary
- $x = 73$ Alternate Exterior Angles Congruent
- $x = 68$ Alternate Interior Angles Congruent
- $x = 84$ Corresponding Angles Congruent
- $x = 59$ Complementary Angles
- $x = 74$ Linear Pair or Supplementary Angles
- $x = 9, 80^\circ$ Alternate Interior Angles Congruent
- $x = 6, 125^\circ$
Same Side Interior Angles Supplementary
- $x = 11, 90^\circ$
Corresponding Angles Congruent
- $x = 7, 96^\circ$ Linear Pair or Supplementary
- $x = 2, 130^\circ$
Alternate Exterior Angles Congruent
- $x = -7, 105^\circ$ Vertical Angles Congruent
- $x = -6, 115^\circ$ and 65°
Same Side Interior Angles Supplementary
- $x = 6, 90^\circ$ and 90°
Alternate Interior Angles Congruent
- $x = 4, 75^\circ$ Corresponding Angles Congruent
- $x = 9, 80^\circ$ Vertical Angles Congruent
- $x = 10, 36^\circ$ Complementary Angles
- $x = 20, 57^\circ$ Linear Pair or Supplementary
- $x = 18, y = 20$
- $x = 15, y = 18$
- $x = 15, y = 40$
- $x = 70, y = 70$
- $x = 60, y = 65$
- $x = 50, y = 90$
- $x = 42, y = 108, z = 18$
- $x = 20, y = 25, z = 24$
- $x = 50, y = 10, z = 65$