

Parallel lines cut by a transversal math lib worksheet answer key

Problem 1-7: Find the value of x in the diagram. Problem 3: Problem 3: Problem 5: Problem 6: Problem 7: Problem 4: Problem 7: Problem 7: Problem 7: Problem 7: Problem 7: Problem 7: Problem 8: In the diagram given below, 11 lines 12 are parallel and t is a transversal. Find the value of x. Problem 7: Problem 8: In the diagram given below, (a + 4)° and (4x + 6)° are complementary. (4x + 7)° + (4x + 3)° = 90°4x + 7 + 6x + 3 = 9010x + 10 = 9010x = 80x = 82. Answer : In the diagram above, (2x + 3)° + (x - 6)° = 180°2x + 3 + x - 6 = 1803x - 3 = 1803x = 148. Answer : In the diagram above, (5x + 4)°, (x - 2)° and (5x + 7)° are complementary angles. (5x + 4)° + (x - 2)° + (3x + 7)° = 180°5x + 4 + x - 2 + 3x + 7 = 1809x = 171x = 195. Answer : In the diagram above, (3x + 7)° and 100° are vertical angles. (3x + 7)° = 100°3x + 7 = 100°3x = 93x = 316. Answer : In the diagram above, (x + 33)° and 98° form a linear pair.(x + 33)° + 98° = 180°x + 131 = 180x = 497. Answer : In the diagram above, (2x + 20)° and (3x - 10)° are corresponding angles. When two parallel lines are cut by a transversal, conscutive interior angles are congruent. (2x + 20)° and (3x - 10)° are corresponding angles are congruent. (2x + 20)° and (3x - 33)° are alternate interior angles are congruent. (2x + 20)° and (3x - 33)° are alternate interior angles are congruent. (2x + 20)° and (3x - 33)° are alternate interior angles are congruent. (2x + 20)° and (3x - 33)° are alternate interior angles are congruent. (2x + 20)° and (3x - 33)° are alternate interior angles are congruent. (2x + 20)° and (3x - 33)° are alternate interior angles are congruent. (2x + 20)° and (3x - 33)° are alternate interior angles are congruent. (2x + 20)° and (3x - 33)° are alternate interior angles are congruent. (2x + 20)° and (3x - 33)° are alternate interior angles are congruent. (2x + 20)° and (3x - 33)° are alternate interior angles are congruent. (2x + 20)° and (3x - 33)° are alternate interior angles are congruent. (2x + 20)

1.8.2: Proving Theorems About Angles in Parallel Lines Cut by a TransversalStep 1 Find the relationship between two angles that have the same variable. $\angle 1$ and $\angle 2$ are same-side interior angles are supplementary. Therefore, $m \angle 1 + m \angle 2 = 180$. 1.8.2: Proving Theorems About Angles in Parallel Lines Cut by a TransversalStep 3 Use substitution and solve for x. 1.8.2: Proving Theorems About Angles in Parallel Lines Cut by a TransversalStep 4 Find $m \angle 1$ and $m \angle 2$ using substitution. 1.8.2: Proving Theorems About Angles in Parallel Lines Cut by a TransversalStep 4 Find $m \angle 1$ and $m \angle 2$ using substitution. 1.8.2: Proving Theorems About Angles in Parallel Lines Cut by a TransversalStep 4 Find $m \angle 1$ and $m \angle 2$ using substitution. 1.8.2: Proving Theorems About Angles in Parallel Lines Cut by a TransversalStep 5 Find $m \angle 1$ and $m \angle 2$ using substitution. 1.8.2: Proving Theorems About Angles in Parallel Lines Cut by a TransversalStep 5 Find $m \angle 1$ and $m \angle 2$ using substitution. 1.8.2: Proving Theorems About Angles in Parallel Lines Cut by a TransversalStep 5 Find the relationship between use of the known angles. 1.8.2: Proving Theorems About Angles in Parallel Lines Cut by a TransversalStep 6 Use the Alternate Interior angles are supplementary. Therefore, $m \angle 1$ and $m \angle 2$ are same-side interior angles are supplementary. Interview of the parallel Lines Cut by a TransversalStep 5 Find the relationship between use of the known angles. 1.8.2: Proving Theorems About Angles in Parallel Lines Cut by a TransversalStep 6 Use the Alternate Interior Angles Theorem. The Alternate Interior Angles Theorem The Alternate Interior Angles in Parallel Lines Cut by a TransversalStep 7 Use the definition of congruence and substitution to find $m \angle 3$. so Using substitution, $93 = m \angle 3$. 1.8.2: Proving Theorems About Angles in Parallel Lines Cut by a TransversalStep 7 Use the definition of congruence and substitution to find $m \angle 3$. so Using substitution to solve for y. 1.8.2: Proving Theorems About Angles in Parallel

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