

Name: \_\_\_\_\_ ANSWER KEY \_\_\_\_\_ Hour: \_\_\_\_\_ Date: \_\_\_\_\_

# “Why Was the Math Teacher So Hungry?”

## (Properties of Rhombi and Squares Practice)

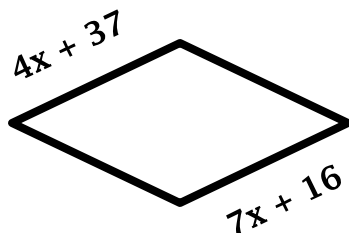
**Directions:** Solve each problem to find the value of  $x$  to given that each quadrilateral is a square or a rhombus. Find its matching answer in the answer box and decode the answer to the riddle using the letter of the answer associated with each question. Show all of your work.

**Answer:**

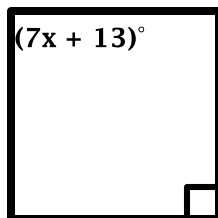
B E C A U S E    A L L    S H E    H A D    T O  
 10 7 4 8 6 1 7    8 11 11    1 3 7    3 8 12    2 13

E A T    W A S    A    P I E C E    O F    P I !  
 7 8 2    9 8 1    8    15 14 7 4 7    13 5    15 14

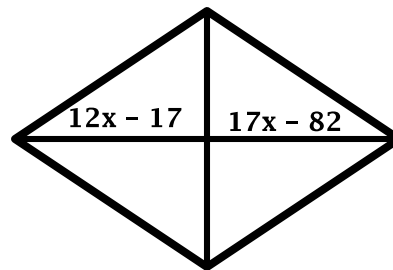
1.  $x = \underline{\quad}$   $x = 7$



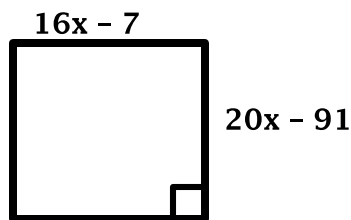
2.  $x = \underline{\quad}$   $x = 11$



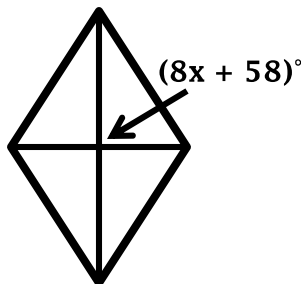
3.  $x = \underline{\quad}$   $x = 13$



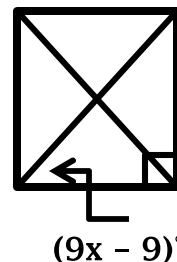
4.  $x = \underline{\quad}$   $x = 21$



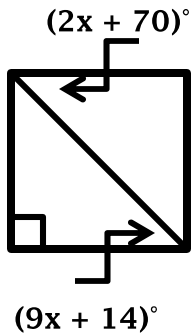
5.  $x = \underline{\quad}$   $x = 4$



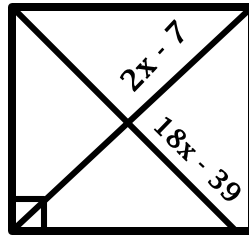
6.  $x = \underline{\quad}$   $x = 6$



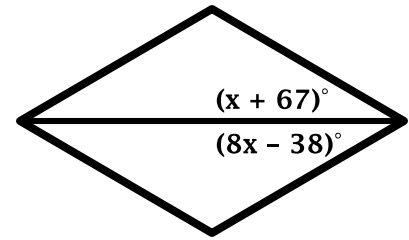
7.  $x = \underline{\quad}$   $x = \underline{8}$



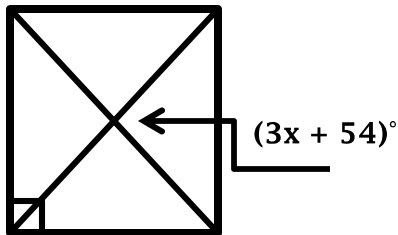
8.  $x = \underline{\quad}$   $x = \underline{2}$



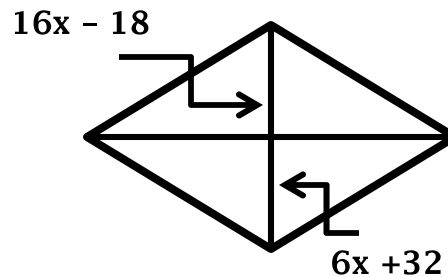
9.  $x = \underline{\quad}$   $x = \underline{15}$



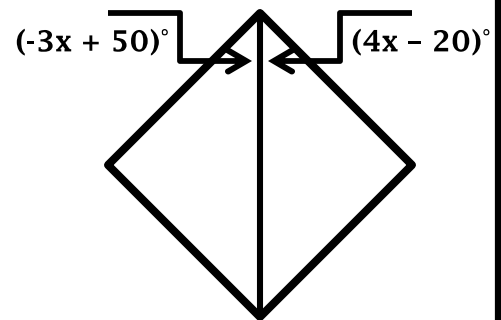
10.  $x = \underline{\quad}$   $x = \underline{12}$



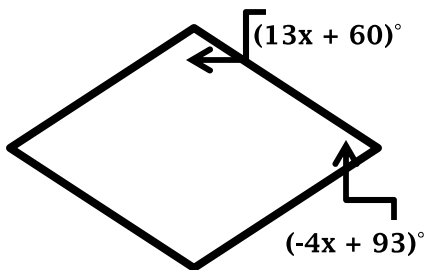
11.  $x = \underline{\quad}$   $x = \underline{5}$



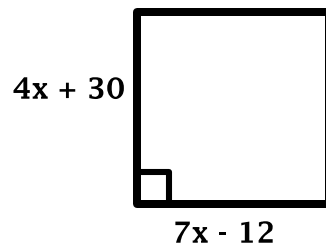
12.  $x = \underline{\quad}$   $x = \underline{10}$



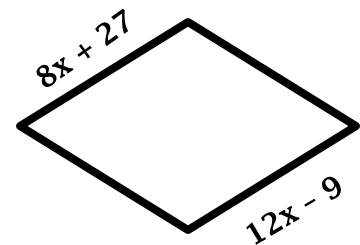
13.  $x = \underline{\quad}$   $x = \underline{3}$



14.  $x = \underline{\quad}$   $x = \underline{14}$



15.  $x = \underline{\quad}$   $x = \underline{9}$



**Answer Box:**

A	$x = 2$	B	$x = 12$	C	$x = 21$	D	$x = 10$	E	$x = 8$
F	$x = 4$	H	$x = 13$	I	$x = 14$	L	$x = 5$	O	$x = 3$
P	$x = 9$	S	$x = 7$	T	$x = 11$	U	$x = 6$	W	$x = 15$

Name: \_\_\_\_\_ Hour: \_\_\_\_\_ Date: \_\_\_\_\_

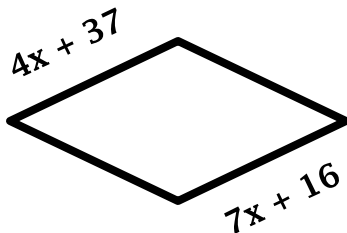
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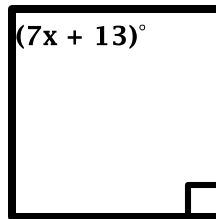
**Answer:**

<u>10</u> <u>7</u> <u>4</u> <u>8</u> <u>6</u> <u>1</u> <u>7</u>	<u>8</u> <u>11</u> <u>11</u>	<u>1</u> <u>3</u> <u>7</u>	<u>3</u> <u>8</u> <u>12</u>	<u>2</u> <u>13</u>
<u>7</u> <u>8</u> <u>2</u>	<u>9</u> <u>8</u> <u>1</u>	<u>8</u>	<u>15</u> <u>14</u> <u>7</u> <u>4</u> <u>7</u>	<u>13</u> <u>5</u>
				<u>15</u> <u>14</u> <u>!</u>

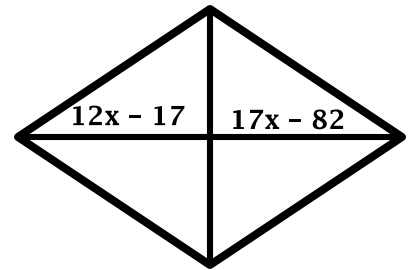
1.  $x =$  \_\_\_\_\_



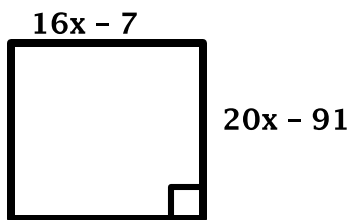
2.  $x =$  \_\_\_\_\_



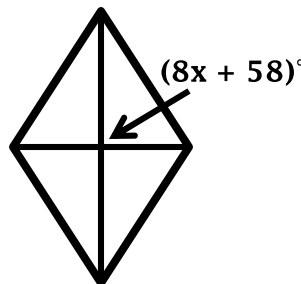
3.  $x =$  \_\_\_\_\_



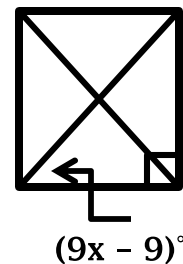
4.  $x =$  \_\_\_\_\_



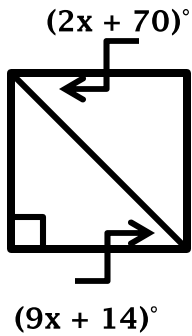
5.  $x =$  \_\_\_\_\_



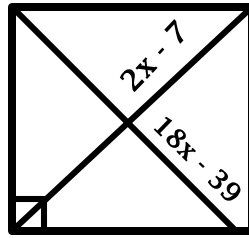
6.  $x =$  \_\_\_\_\_



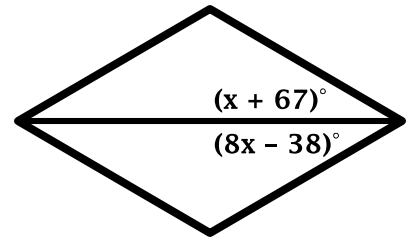
7.  $x =$  \_\_\_\_\_



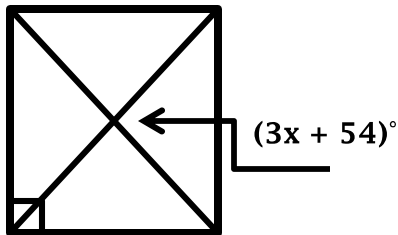
8.  $x =$  \_\_\_\_\_



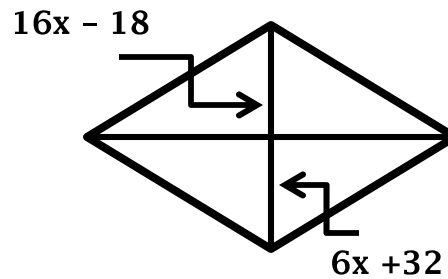
9.  $x =$  \_\_\_\_\_



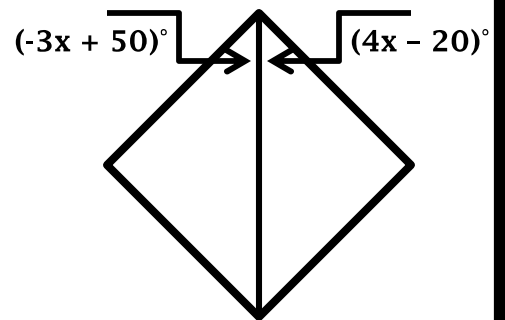
10.  $x =$  \_\_\_\_\_



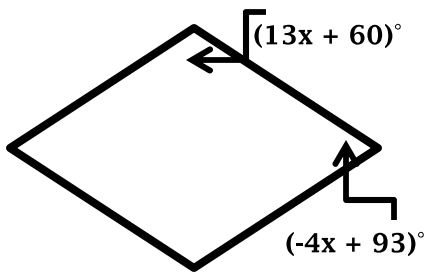
11.  $x =$  \_\_\_\_\_



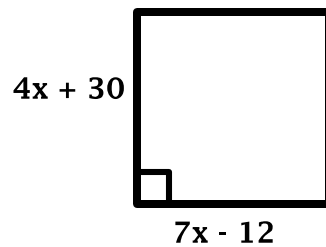
12.  $x =$  \_\_\_\_\_



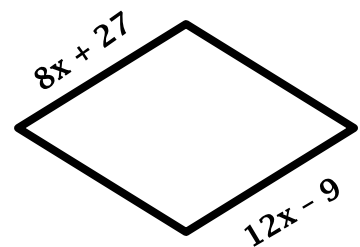
13.  $x =$  \_\_\_\_\_



14.  $x =$  \_\_\_\_\_



15.  $x =$  \_\_\_\_\_



**Answer Box:**

A $x = 2$	B $x = 12$	C $x = 21$	D $x = 10$	E $x = 8$
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