

Find the value of x that makes each pair of expressions equal.

Expression	$x = 1$	$x = 2$	$x = 3$	$x = 4$	$x = 5$	Solution
$2x + 7$						
$4x - 1$						
Difference						
$2x - 8$						
$16 - 6x$						
Difference						
$3(x + 2)$						
$6x - 12$						
Difference						
$36 - 4x$						
$2(10 - x)$						
Difference						
$x + 5$						
$5x + 9$						
Difference						

Find the value of x that makes each pair of expressions equal.

Expression	$x = 1$	$x = 2$	$x = 3$	$x = 4$	$x = 5$
$4x + 26$					
$9x - 29$					
Difference					
$3x + 7$					
$5x + 2$					
Difference					
$38 - x$					
$5(1 + x)$					
Difference					
$3x + 22$					
$7x + 5$					
Difference					
x^2					
$7x - 10$					
Difference					

	Try	Solution
$\square = x$		
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Find the value of x that makes each pair of expressions equal.

Expression	$x = 1$	$x = 2$	$x = 3$	$x = 4$	$x = 5$	Solution
$2x + 7$	9	11	13	15	17	$x = 4$
$4x - 1$	3	7	11	15	19	
Difference	6	4	2	<u>0</u>	-2	
$2x - 8$	-6	-4	-2	0	2	$x = 3$
$16 - 6x$	10	4	-2	-8	-14	
Difference	-16	-8	<u>0</u>	8	16	
$3(x + 2)$	9	12	15	18	21	$x = 6$
$6x - 12$	-6	0	6	12	18	
Difference	15	12	9	6	3	
$36 - 4x$	32	28	24	20	16	$x = 8$
$2(10 - x)$	18	16	14	12	10	
Difference	14	12	10	8	6	
$x + 5$	6	7	8	9	10	$x = -1$
$5x + 9$	14	19	24	29	34	
Difference	8	12	16	20	24	

Find the value of x that makes each pair of expressions equal.

Expression	$x = 1$	$x = 2$	$x = 3$	$x = 4$	$x = 5$
$4x + 26$	29	33	37	41	45
$9x - 29$	-21	-12	-3	6	15
Difference	50	45	40	35	30
$3x + 7$	10	13	16	19	22
$5x + 2$	7	12	17	22	27
Difference	3	1	-1	-3	-5
$38 - x$	37	36	35	34	33
$5(1 + x)$	10	15	20	25	30
Difference	27	21	15	9	3
$3x + 22$	25	28	31	34	37
$7x + 5$	12	19	26	33	40
Difference	13	9	5	1	-3
x^2	1	4	9	16	25
$7x - 10$	-7	4	11	18	25
Difference	8	0	-2	-2	0

Try	Solution
70	$x = 11$
70	
<u>0</u>	
14.5	$x = 2\frac{1}{2}$
14.5	
<u>0</u>	
32.5	$x = 5\frac{1}{2}$
32.5	
<u>0</u>	
34.75	$x = 4\frac{1}{4}$
34.75	
<u>0</u>	
<input type="text"/>	$x = 2,$ $x = 5$
<input type="text"/>	
<input type="text"/>	

$x = 11$
 $x = 2\frac{1}{2}$
 $x = 5\frac{1}{2}$
 $x = 4\frac{1}{4}$
 $x = \square$