

Write the mathematic expression, equation, or inequality.

1) The sum of 19 and twice x

2) The product of 3 and y is no less than 21

3) The quotient of w and the difference of 5 and d is equal to 10

3.5) 5 more than x is less than y

Check whether the given value is a solution

4) $2 + 3x = 10$; $x = 2$

5) $8 + 3b > 15$; $b = 2$

6) $11y - 5 \leq 30$; $y = 3$

Make tables for these equations using the inputs -2, 0, 4 and 7

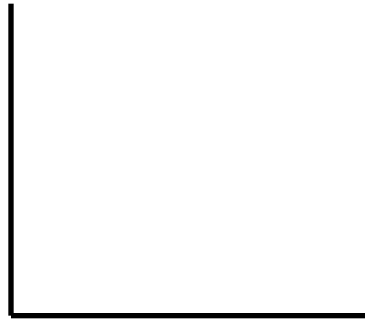
7) $y = 1 - x^2$

8) $y = \frac{x+1}{x-2}$

Make a SCATTER PLOT graph for this equation by finishing the table first. Make sure you label your axes and show your units.

9) $y = x + 3$

x	y
0	
2	
4	
6	



Evaluate the following expressions. SHOW YOUR WORK!

10) $7 + 3^2 \cdot 2$

11) $(5^2 + 17) \div 7$

12) $(24 - 11) - (3 + 5) \div 4$

13) $\frac{x}{5}$ when $x = 30$

14) n^3 when $n = 20$

15) $-15 - t$ when $t = -11$

16) $12 + 4x$ when $x = \frac{3}{2}$

17) $3z^2 - 7$ when $z = 6$

18) $2(4n + 5)$ when $n = 2$

19) $|x - 5| - 4$ when $x = 3$

20) $8 - (x + 2)^2$ when $x = -5$

21) $\frac{1 - x + 5}{6}$ when $x = 4$