Name:

Form:

Date:

Mathematics Test

Complete the following questions by finding the unknown values represented as letters in each equation. Show all working in the boxes provided below:

1) $12 - 4 = x$ $x =$

2) $7 + 8 = y$ $y =$

3) $12 - j = 3 + 3$ $j =$

4) $17 + 8 - h = 3 + 4$ $h =$

5) $30 + 4 - \rho = 2 + 1$ $\rho =$

Form equations to illustrate the following statements and find the unknown values, show all working in the boxes provided below:

6) I thought of a number, subtracted 3 and got 4. What is the number I thought of?

7) I thought of a number, added 5 and got 11. What is the number I thought of?

8) I multiplied a number by 7 and got 147. What was the number I multiplied by?

9) Jack and Josa each have 'y' sweets and Kay has 12 sweets. Amongst them they have 36 sweets. What is the value of 'y'?

Use the number line below to answer the following questions:

-20 -19 -18 -17 -16 -15 -14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

10) -19 + 4 = ...

11) 5 - (-15) = ...

12) -12 - (-3) = ...

13) 7 + (-13) = ...

14) -10 - 4 = ...

15) 0 + (-2) = ...

16) -6 + (20) = ...

17) 20 + (-20) = ...

18) 7 - (-4) = ...