SANGAM SKM COLLEGE – NADI 2021

YEAR 10 MATHS WORKSHEET 3 WEEK 4

As is - Where is

In 1979 the Justice Department advertised for "as is - where is" buyers for a fishing boat called the Ruptured Duck. However there was a problem. To find out what the problem was:

- Factorise each of the expressions below.
- Locate the answer in the Answer section
- Write the alphabet that best matches with the answer beside the question For instances 1. 2a + 6b = 2(a + 3b)answer is P ... Now at all places where 1 is written, put P. Do the same with the rest of the numbers to reveal the code.

1. 2a +6b

 $a^2 + a - 6$ 11.

2. 3a - 6b 12. $x^2 + x - 12$

 $9a^{2} + 4a$ 3.

 $x^2 - 5x - 14$ 13.

4. 6x - 3y 14. $a^2 + 5a - 14$

5. $6x^2 - 3x$ 15. $a^2 - 8a + 12$

6. 2xy - 3x

 $x^2 - 2x - 3$ 16.

7. 3x + 6y + ax + 2ay

 $a^2 - a - 6$ 17.

 $3a^2 - 4a + 3ab - 4b$ S.

18. $x^2 - 2x - 15$

ax + ay + bx + by9.

 $x^2 - v^2$ 19.

10. 2ab - 3b - 2a + 3

 $4a^2 - 9b^2$ 20.

Answer section

A. (b-1)(2a-3)

F. (x-7)(x+2)

N. (a-3)(a+2)

T. (3+a)(x+2y)

B. (a+7)(a-2)

I. (x-5)(x+3)

H. (2a-3b)(2a+3b) O. 3(2x-y) P. 2(a+3b) U. 3(a-2b)

C. (x+4)(x-3)D. (a+b)(3a-4)

K. x(2y-3)

R. (a-6)(a-2)

W. (a+3)(a-2) X. (x-3)(x+1)

E. a(9a+4)

4-13-13

L. (a+b)(x+y)

S. 3x(2x-1)

Y. (x-y)(x+y)

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

7-20-3 12-10-7-12-20 11-10-5 7-20-10-7 17-4-14-4-8-19 6-17-3-11

3-16-10-12-7-9-19 11-20-3-15-3 7-20-3 14-4-10-7 11-10-5.

