

Name: _____

Relations & Linear Functions

- 1) Copy and complete the following table for $y=5-2x$

x	-2	-1	0	1	2	3	4
y							

- 2) Determine whether each equation is linear or not. If an equation is linear, identify A, B, and C.

1) $4xy = 3$

2) $7x - 2y = 3$

3) $2xy + x = y$

4) $16y = 4x$

5) $x = 2y$

6) $3y = x + 4$

7) $y - 2 = x$

8) $x + 3y = 9$

9) $6x + 3 = y$

10) $2x^2 + y^2 = 8$

11) $4y + 8x = 0$

12) $y + xy = 1$

- 3) Tell whether the equations are linear or not. If it is linear identify A, B and C.

1) $3x + 5y = 0$

2) $2xy + 4x = 9$

3) $2x + 5y = 2y^2$

4) $3xy + 2x^2 + 3y^2 = 8$

5) $x^2 + 7y = 9$

6) $2x + 3y = 5$

7) $3x + 5y = -9$