

Name: _____

Block: _____

Chapter 6 (6.V-6.2B) Mock Quiz

1. $6x - y^2 - 11$

a) Is the mathematical phrase above an equation or expression (1 mark)? _____

b) List all variables (1 mark). _____

c) List all coefficients (1 mark). _____

d) List all constants (1 mark). _____

e) How many terms (1 mark)? _____

2. Evaluate for $x = 2$ and $y = -1$ (2 marks each)

a) $3y^2 + x - x^2$

b) $5xy + 7y^2$

3. Simplify. (1 mark each)

a) $4m + 8 - 8m + 6$

b) $-x^2 + 1 - 8x - 1 + 3x^2 - x$

4. Solve (1 mark each). Do a check for (d) only. (1 mark)

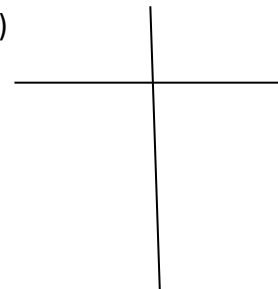
a) $4 + n = 10$

b) $5 = -9 + p$

c) $\frac{y}{-6} = 2$

d) $-40 = 4m$

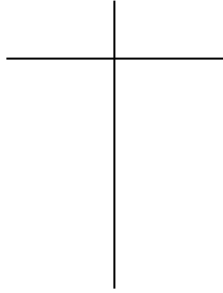
Check d)



5. Solve (2 marks each). Do a check for (a) only. (1 mark)

a) $3x - 6 = 15$

Check:



b) $5t + 6 - 9t = 6 - 8$

c) $\frac{c}{-2} - 9 = -5$

6. Solve (2 marks each).

a) $-2n + 5 = 3n - 10$

b) $6x + 5 - 7x = -4 + 2x$

c) $4y + 4 - 3y = -y + 3$

7. Expand. (1 mark each)

a) $-3(x - 4)$

b) $4(5x - 3y + 7)$

8. Expand and Simplify. (2 marks each)

a) $3(m + 5) - 2(m - 3)$

b) $4(x^2 - 6x + 4) - 5(x + 2)$

9. Solve (3 marks each).

a) $2(x - 3) - 3(x + 4) = x - 14$

(b) $-(y + 2) + 3(y - 2) = 5(y - 1) + 6$
