



Name : Class :

Simplifying variable expressions

Simplify and order the following algebraic expressions.

1) $(3m - 2) + 2 - m + 3$

2) $8 + (-4y + 10) - 3y - 7$

3) $2(-6 - 2x) + 1 - 3x + 7$

4) $12 - (20h - 1) - h + 2$

5) $7(m - 2) + 5(3 - 2m) + 15$

6) $(5z - 16) + 4z - 13$

7) $(10y - 4) + (2 - y)(-2) + 3y$

8) $6(3 - 3x) - 2(9 - 3x) - 12$

9) $(-2z - 2) - (2 - 4z) + 5$

10) $-4(m - 21) + 4m - 15 + 3m$

ANSWER SHEET

Simplify and order the following algebraic expressions.

1) $(3m - 2) + 2 - m + 3$

$$2m + 3$$

2) $8 + (-4y + 10) - 3y - 7$

$$-7y + 11$$

3) $2(-6 - 2x) + 1 - 3x + 7$

$$-7x - 4$$

4) $12 - (20h - 1) - h + 2$

$$-21h + 15$$

5) $7(m - 2) + 5(3 - 2m) + 15$

$$-3m + 16$$

6) $(5z - 16) + 4z - 13$

$$-9z - 29$$

7) $(10y - 4) + (2 - y)(-2) + 3y$

$$15y - 8$$

8) $6(3 - 3x) - 2(9 - 3x) - 12$

$$-12x - 12$$

9) $(-2z - 2) - (2 - 4z) + 5$

$$2z + 1$$

10) $-4(m - 21) + 4m - 15 + 3m$

$$3m + 69$$