

3. i) True

ii) False

iii) True

iv) False

v) True

vi) False

vii) True

viii) True

ix) True

x) False

xi) True

xii) False

5. i) ~~False~~ True

ii) False

iii) True

iv) False

v) False

vi) True

7.

i.)

1

ii.)

-1

iii.)

-3

iv.)

-5a

v.)

$\frac{3}{2}y$

vi.)

$\frac{a}{y}$

- 2.)
- i.) The sum of  $3x$  and  $8$  is <sup>equal to</sup>  $15$ .
  - ii.) ~~Seven~~<sup>7</sup> decreased by  $y$  is greater than  $x$ .
  - iii.)  $2y$  decreased by  $x$  is smaller than  $12$ .
  - iv.)  $5$  divided by  $z$  is <sup>equal to</sup>  $5$ .
  - v.) The sum of  $a$  and  $2b$  is greater than  $18$ .
  - vi.)  $2x$  decreased by  $3y$  is <sup>equal</sup> ~~16~~ equal to  $16$ .
  - vii.)  $3a$  decreased by  $4b$  is greater than  $14$ .
  - viii.)  $b$  added to  $7a$  is smaller than  $21$ .
  - ix.) The sum of  $16$  and  $2a$  decreased by  $x$  is greater than  $25$ .
  - x.) The sum of  $3x$  and  $12$  decreased by  $y$  is smaller than  $3a$ .