

**R**

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If  $a = 3$ , find the value of:

1.  $a = 3$

2.  $2a = 6$

3.  $3a + 4 = 13$

4.  $15 - 3a = 6$

5.  $5a - 3a = 6$

If  $a = 3$ , and  $b = 7$  find the value of:

6.  $2a + b = 13$

7.  $5a + 5b = 40$

8.  $5b - 3a = 26$

**A**

Answers on the website!

If  $x = 3$ , and  $y = 6$  find the value of:

1.  $4x + 3y = 30$

2.  $7x + 7y = 63$

3.  $3x - 4y = -15$

4.  $x^2 = 9$

5.  $x^2 + 3y = 27$

If  $m = 5$ , and  $x = 4$  find the value of:

6.  $3m^2 + 3x = 87$

7.  $2m^2 + x^2 = 66$

8.  $3m^2 - 5x^2 = -5$

Check out our 1-9 GCSE takeaway

**G**Find the value of  $8x^2 + 4y^2$  when

$x = 2$  and  $y = 5 = 132$

Find the value of  $a^2 + b^2$  when  $a = 2$ 

and  $b = -3 = 13$

$y = 5x^2 + 2$

(i) Find  $y$  when  $x = -2 = 22$

(ii) Find  $x$  when  $y = 47 = 3$

**E**If  $u = 5$  and  $v = -3$  find the value of

i)  $u^3 - v^2 = 116$

ii)  $v^2 - 2u^2 = -41$

$V = 3b + 2b^2$

Find the value of  $V$  when  $b = -4$ 

$= 20$

$M = \frac{h(x + 10)}{2}$

$M = 30, h = 4$

Find  $x = 5$