Algebra Magic Square

I can express missing number problems algebraically.

Solve the nine equations below using a = 2 and b = 5.
Then write the answers in the magic square so that each row, column and diagonal have the total 30.

4a + b =
5b – 20 =
2b + a =
2a + b =
(3a + b) – 1 =
8a – b =
5a – 2 =
(6a + 2b) – 7 =
(4b – 3a) ÷ 2 =

Algebra Magic Square **Answers**

$4a + b = \mathbf{8 + 5 = 13}$
$5b - 20 = \mathbf{25 - 20 = 5}$
$2b + a = \mathbf{10 + 2 = 12}$
$2a + b = \mathbf{4 + 5 = 9}$
$(3a + b) - 1 = \mathbf{11 - 1 = 10}$
$8a - b = \mathbf{16 - 5 = 11}$
$5a - 2 = \mathbf{10 - 2 = 8}$
$(6a + 2b) - 7 = \mathbf{22 - 7 = 15}$
$(4b - 3a) \div 2 = \mathbf{14 \div 2 = 7}$

13	**9**	**8**
5	**10**	**15**
12	**11**	**7**