1. Evaluate $3x + 5$ when $x = 5$.

$3 \times 5 + 5$

$15 + 5$

Answer: 20

2. Evaluate $x^2 - 4$ when $x = -5$.

$(-5)^2 - 4$

$25 - 4$

Answer: 21

3. Evaluate $2x^2 + x$ when $x = -4$.

$2 \times (-4)^2 + (-4)$

$2 \times 16 + (-4)$

$32 + (-4)$

Answer: 28

4. Evaluate $5a - 2b$ when $a = -3$, $b = 6$.

$5 \times (-3) - 2 \times 6$

$-15 - 2 \times 6$

$-15 - 12$

Answer: −27

5. Evaluate $x^2 + 3y$ when $x = -4$, $y = -4$.

$(-4)^2 + 3 \times (-4)$

$16 + 3 \times (-4)$

$16 + (-12)$

Answer: 4

6. Evaluate $4m - m^2$ when $m = -5$.

$4 \times (-5) - (-5)^2$

$4 \times (-5) - 25$

$-20 - 25$

Answer: −45

7. Evaluate $2ab - a$ when $a = -3$, $b = 5$.

$2 \times (-3) \times 5 - (-3)$

$-6 \times 5 - (-3)$

$-30 - (-3)$

Answer: −27

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8. Evaluate $10 - 3x$ when $x = 2$.

$10 - 3 \times 2$
$10 - 6$
Answer: 4

9. Evaluate $x^2 - 2x + 1$ when $x = 6$.

$6^2 - 2 \times 6 + 1$
$36 - 2 \times 6 + 1$
$36 - 12 + 1$
$24 + 1$
Answer: 25

10. Evaluate $(x + y)^2$ when $x = -1$, $y = -5$.

$(-1 + (-5))^2$
$(-6)^2$
Answer: 36

11. Evaluate $3x + 5$ when $x = 3$.

$3 \times 3 + 5$
$9 + 5$
Answer: 14

12. Evaluate $x^2 - 4$ when $x = 6$.

$6^2 - 4$
$36 - 4$
Answer: 32

13. Evaluate $2x^2 + x$ when $x = -3$.

$2 \times (-3)^2 + (-3)$
$2 \times 9 + (-3)$
$18 + (-3)$
Answer: 15

14. Evaluate $5a - 2b$ when $a = 2$, $b = 3$.

$5 \times 2 - 2 \times 3$
$10 - 2 \times 3$
$10 - 6$
Answer: 4

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15. Evaluate $x^2 + 3y$ when $x = 3$, $y = 3$.

$3^2 + 3 \times 3$
$9 + 3 \times 3$
$9 + 9$
Answer: 18

16. Evaluate $4m - m^2$ when $m = -2$.

$4 \times (-2) - (-2)^2$
$4 \times (-2) - 4$
$-8 - 4$
Answer: −12

17. Evaluate $2ab - a$ when $a = 3$, $b = -2$.

$2 \times 3 \times (-2) - 3$
$6 \times (-2) - 3$
$-12 - 3$
Answer: −15

18. Evaluate $10 - 3x$ when $x = -3$.

$10 - 3 \times (-3)$
$10 - (-9)$
Answer: 19

19. Evaluate $x^2 - 2x + 1$ when $x = -3$.

$(-3)^2 - 2 \times (-3) + 1$
$9 - 2 \times (-3) + 1$
$9 - (-6) + 1$
$15 + 1$
Answer: 16

20. Evaluate $(x + y)^2$ when $x = 5$, $y = -5$.

$(5 + (-5))^2$
0^2
Answer: 0

21. Evaluate $x^2 - 3x$ when $x = -4$. ★ challenge

$(-4)^2 - 3 \times (-4)$
$16 - 3 \times (-4)$
$16 - (-12)$
Answer: 28

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22. Evaluate $-x^2 + 2x$ when $x = 3$. ★ challenge

$-1 \times 3^2 + 2 \times 3$
$-1 \times 9 + 2 \times 3$
$-9 + 2 \times 3$
$-9 + 6$
Answer: -3

23. Evaluate $(a - b)^2 \div 2$ when $a = -3$, $b = 5$. ★ challenge

$(-3 - 5)^2 \div 2$
$(-8)^2 \div 2$
$64 \div 2$
Answer: 32

24. Evaluate $a^3 + b^2$ when $a = -2$, $b = -3$. ★ challenge

$(-2)^3 + (-3)^2$
$-8 + (-3)^2$
$-8 + 9$
Answer: 1

25. The area of a triangle is $A = \frac{1}{2}bh$. Find A when $b = 14$ cm and $h = 9$ cm. ★ challenge

$A = \frac{1}{2}(14)(9)$
$A = \frac{1}{2}(126)$
Answer: 63 cm²

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