

1. $x + 7$, when $x = 5$

Substitute: $(5) + 7$

Answer: 12

2. $3x$, when $x = 4$

Substitute: $3(4)$

Answer: 12

3. $2x + 1$, when $x = 6$

$2(6) + 1 = 12 + 1$

Answer: 13

4. x^2 , when $x = 5$

$(5)^2$

Answer: 25

5. x^2 , when $x = -3$

$(-3)^2$: negative x negative

Answer: 9

6. $2x^2$, when $x = 3$

$2(3)^2 = 2 \times 9$

Answer: 18

7. $5x - 4$, when $x = -2$

$5(-2) - 4 = -10 - 4$

Answer: -14

8. $x^2 + 2x$, when $x = 4$

$16 + 8$

Answer: 24

9. $-x^2 + 3(x - 1)^2$, when $x = -2$ ★ challenge

$-(-2)^2 = -4$

$(x-1) = -3$; $(-3)^2 = 9$; $3(9) = 27$

$-4 + 27$

Answer: 23

10. $(2a - b)^2 / (a + b)$, when $a = 4$, $b = 2$ ★ challenge

Top: $(8 - 2)^2 = 36$

Bottom: $4 + 2 = 6$

$36 / 6$

Answer: 6