

Evaluating ExpressionsEvaluate the following if, $w = 2$, $x = 3$, and $y = -4$

$$2x(2w + 2y) = 2 \cdot 3(2(2) + 2(-4)) = 6(4 + -8) = 6(-4) = -24$$

1. $w(xw + xy)$

8. $3w + 4(x - y)$

2. $3w - 4x$

9. $w(x + y)$

3. $5(w - 2y)$

10. $wx + x - 6xy$

4. $y(w + 7)$

11. $wx(3w + 2y - 5)$

5. $8x + -13x$

12. $6w - (xy + 3)$

6. $6(w + -y)$

13. $4w - 7x + 3y - 2w$

7. $5w(2y + 3x)$

14. $12y(4y + 2w) + -2x$