Evaluating Expressions
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Simplify each expression if x is -2, y is -1, z is 3, and w is 6.   Answer

1. $\dfrac{3xy}{w}$ 1.   1

2. $4w + x^2 z$ 2.   36

3. $3x - 7y^2$ 3. $^{-}13$

4. $\dfrac{w + z}{y^2}$ 4.   9

5. $^{-}x^2$ 5. $^{-}4$

6. $\left(^{-}x\right)^2$ 6.   4

7. $x^2 + 2xy + y^2$ 7.   9

8. $x^2 + 2(w + y)$ 8.   14

9. $(w - z)^2$ 9.   9

10. $\dfrac{(z + 1)^2 - w}{x - 4y}$ 10.   5

Please visit the Learning Lab for further assistance.