

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

Answer

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|-----|----------------------------|-----|-----|
| 1. | $\frac{3xy}{w}$ | 1. | 1 |
| 2. | $4w + x^2z$ | 2. | 36 |
| 3. | $3x - 7y^2$ | 3. | -13 |
| 4. | $\frac{w+z}{y^2}$ | 4. | 9 |
| 5. | $-x^2$ | 5. | -4 |
| 6. | $(-x)^2$ | 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. | $\frac{(z+1)^2 - w}{x-4y}$ | 10. | 5 |

Please visit the Learning Lab for further assistance.