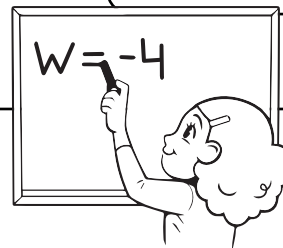


Name: \_\_\_\_\_

Advanced

## Evaluate Expressions



Evaluate the following expressions for  $w = -4$ .

1.  $\frac{6(w-4)}{8}$

2.  $\frac{w}{2} + 3w$

3.  $w(2-6)$

4.  $w^2 - 4$

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5.  $\frac{10w}{-8} + 2w$

6.  $\frac{w-6}{2}$

7.  $\frac{64}{w^2}(w+6)$

8.  $\frac{w(16-8)}{-2}$



# Preview

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13.  $\frac{10e}{2} + 4u$

14.  $2(u^2 + e)$

15.  $\frac{u^2+2}{2e+u}$

16.  $\frac{eu}{4} - e$

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Evaluate the following expressions for  $s = -5$  and  $t = 6$ .

17.  $\frac{-8s}{4} + (s-t)$

18.  $3s(4t - s^2)$

19.  $\frac{2t}{4}(s-3)$

20.  $\frac{2(2s-t)}{8}$

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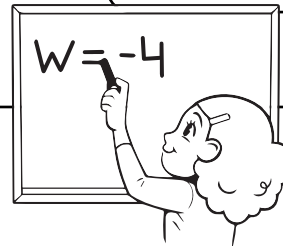
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# ANSWER KEY

Advanced

## Evaluate Expressions



Evaluate the following expressions for  $w = -4$ .

$$1. \frac{6(w-4)}{8}$$
$$\frac{6(-4-4)}{8}$$
$$\frac{6(-8)}{8}$$
$$\frac{-48}{8} = -6$$

$$2. \frac{w}{2} + 3w$$
$$\frac{-4}{2} + 3(-4)$$
$$-2 + -12 = -14$$

$$3. w(2-6)$$
$$-4(2-6)$$
$$-4(-4) = 16$$

$$4. w^2 - 4$$
$$-4^2 - 4$$
$$16 - 4 = 12$$

# Preview

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$$\frac{5(-5)}{4} + (-5-6)$$
$$\frac{40}{4} + -11$$
$$10 + -11 = -1$$

$$-15(24-25)$$
$$-15(-1) = 15$$

$$\frac{-4}{4}(-5-3)$$
$$\frac{12}{4}(-8)$$
$$3(-8) = -24$$

$$\frac{8}{8} \frac{2(-10-6)}{8}$$
$$\frac{2(-16)}{8}$$
$$\frac{-32}{8} = -4$$