

Name: _____

Intermediate

Evaluate Expressions



Evaluate the following expressions for $k = 4$.

1. $\frac{24 - 4}{k}$

2. $\frac{k}{2} + (19 - k)$

3. $6(k + 6)$

4. $k^2 - 9$

5. $\frac{10k}{5}$

6. $\frac{k + 24}{14}$

7. $\frac{48}{k^2}$

8. $\frac{k}{(16 - 8)}$



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13. $\frac{10g}{4} + b$

14. $b^2 - g^2$

15. $2b + 4g - 2$

16. $\frac{bg}{2} + b$

Evaluate the following expressions for $h = 3$ and $r = 12$.

17. $\frac{hr}{6} + (r - h)$

18. $12(r - h^2)$

19. $\frac{12h}{4} + (r - 2)$

20. $\frac{3r - h}{3}$

ANSWER KEY

Intermediate

Evaluate Expressions



Evaluate the following expressions for $k = 4$.

1. $\frac{24 - k}{k}$
 $\frac{24 - 4}{4}$
 $\frac{20}{4} = 5$
5

2. $\frac{k}{2} + (19 - k)$
 $\frac{4}{2} + (19 - 4)$
 $2 + 15 = 17$
17

3. $6(k + 6)$
 $6(4 + 6)$
 $6(10) = 60$
60

4. $k^2 - 9$
 $4^2 - 9$
 $16 - 9 = 7$
7

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$\frac{36}{6} + (12 - 3)$
 $\frac{36}{6} + 9$
 $6 + 9 = 15$
15

$12(12 - 9)$
 $12(3) = 36$
36

$\frac{36}{4} + (12 - 2)$
 $\frac{36}{4} + 10$
 $9 + 10 = 19$
19

$\frac{3(12)}{3} - 3$
 $\frac{36 - 3}{3}$
 $\frac{33}{3} = 11$
11