

Name: _____

Evaluate Expressions

Evaluate the following expressions for $y = -3$.

1. $\frac{2(y + 6)}{3}$

2. $-2(y^2)$

3. $y(11 - 2)$

4. $\frac{3(y + 9)}{6}$

5. $\frac{4y + 6y}{-3}$

6. $\frac{5(y - 6)}{9}$

7. $\frac{y^3}{3}$

8. $\frac{18}{y} + 7y$

Evaluate the following expressions for $x = -2$ and $c = 8$.

9. $-2(x + c)$

10. $\frac{9x + 8}{2}$

11. $\frac{-3x - 8}{2}$

12. $\frac{-c(x^2 + 4)}{4}$

13. $\frac{c^2}{x} + 14$

14. $\frac{3(c + x^2)}{12}$

15. $\frac{42}{x + c}$

16. $\frac{15x - c}{-19}$

Evaluate the following expressions for $d = -4$ and $e = -6$.

17. $\frac{de}{-6}$

18. $\frac{e^2 - d^2}{4}$

19. $\frac{d(e + 3)}{2}$

20. $\frac{e(d^2 - 9)}{6}$

ANSWERS

Evaluate Expressions

Evaluate the following expressions for $y = -3$.

1. $\frac{2(y+6)}{3}$

2

2. $-2(y^2)$

-18

3. $y(11-2)$

-27

4. $\frac{3(y+9)}{6}$

3

5. $\frac{4y+6y}{-3}$

10

6. $\frac{5(y-6)}{9}$

-5

7. $\frac{y^3}{3}$

-9

8. $\frac{18}{y} + 7y$

-27

Evaluate the following expressions for $x = -2$ and $c = 8$.

9. $-2(x+c)$

-12

10. $\frac{9x+8}{2}$

-5

11. $\frac{-3x-8}{2}$

-1

12. $\frac{-c(x^2+4)}{4}$

-16

13. $\frac{c^2}{x} + 14$

-18

14. $\frac{3(c+x^2)}{12}$

3

15. $\frac{42}{x+c}$

7

16. $\frac{15x-c}{-19}$

2

Evaluate the following expressions for $d = -4$ and $e = -6$.

17. $\frac{de}{-6}$

-4

18. $\frac{e^2-d^2}{4}$

5

19. $\frac{d(e+3)}{2}$

6

20. $\frac{e(d^2-9)}{6}$

-7