Name Date

Answers

 1.

 2.

 3.

 4.

 5.

 6.

 7.

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 9.

 10.

 11.

 12.

 13.

 14.

 15.

 16.

2.1

 Exponents and Order of Operations

Write using an exponent.

 1. $∙2∙2∙2∙2∙2∙2$ 2. $7∙7∙7∙7∙7$

 3. $6∙6∙6$ 4. $-5∙-5∙-5∙-5 $

 5. $9∙9∙9∙9∙9∙9$ 6. $12∙12∙12∙12$

 Simplify.

 7. $9^{2}$ 8. $10^{8}$

 9. $0.2^{6}$ 10. $1.7^{3}$

 11. $-3^{4}$ 12. $\left(-4\right)^{3}$

**Simplify using order of operations.**

**13.** $2^{3}∙\left(6-3\right)^{2}$ **14.** $\left(2^{3}∙6\right)-3^{2}$

**15.** $2^{3}∙6-3^{2}$ **16.** $\left(2+1\right)^{3}÷3^{2}$

**17.** $-3^{2}+2^{3}∙6$ **18.** $3^{2}-2^{3} $

Answers

 17.

 18.

 19.

**19.(Challenge)** Evaluate $g^{2}\left(f+h\right)$ for f = -2, g= -3 and h=-4