

Name _____

Date _____

Additional Exercises 1.7
Form I
Multiplication and Division of Real Numbers

Multiply.

1. $-8(3)$

1. _____

2. $7(-6)$

2. _____

3. $(-5)(-4)$

3. _____

4. $\left(\frac{1}{8}\right)\left(-\frac{4}{5}\right)$

4. _____

5. $\left(-\frac{1}{4}\right)(-12)$

5. _____

6. $0.13(-0.4)$

6. _____

7. $(-3)(-2)(-1)(-4)$

7. _____

8. $(-5)(2)(-6)(4)(-3)$

8. _____

Divide.

9. $-\frac{15}{3}$

9. _____

Name _____

Date _____

10. $\frac{10}{0}$

10. _____

11. $-72 \div -8$

11. _____

12. $0 \div 14$

12. _____

13. $\left(-\frac{5}{9}\right) \div \left(-\frac{10}{3}\right)$

13. _____

14. $-42 \div \frac{1}{3}$

14. _____

15. $-73.8 \div -9$

15. _____

16. $-8 \div \frac{1}{8}$

16. _____

Simplify each algebraic expression.

17. $-6(3x)$

17. _____

18. $-4\left(-\frac{1}{4}y\right)$

18. _____

19. $-5(3x - 2)$

19. _____

20. Is -3 a solution to $5x = 2x + 9$?

20. _____

Name _____

Date _____

Additional Exercises 1.7
Form II
Multiplication and Division of Real Numbers

Multiply.

1. $-7(-5)$

1. _____

2. $-12(6)$

2. _____

3. $9(-7)$

3. _____

4. $(-0.23)(-15)$

4. _____

5. $\left(-\frac{3}{8}\right)\left(\frac{10}{11}\right)$

5. _____

6. $(-4)(-12)(-2)(-3)$

6. _____

7. $(-5)(4)(-1)(5)(-2)$

7. _____

Divide.

8. $-\frac{28}{7}$

8. _____

9. $-48 \div -4$

9. _____

10. $\frac{12}{0}$

10. _____

Name _____

Date _____

11. $-\frac{3}{10} \div \left(-\frac{1}{3}\right)$

11. _____

12. $-50 \div \frac{2}{5}$

12. _____

13. $15 \div -\frac{1}{15}$

13. _____

14. $-43.8 \div -6$

14. _____

Simplify each algebraic expression.

15. $-12\left(-\frac{1}{12}x\right)$

15. _____

16. $-6(3x-4)$

16. _____

17. $-5x-(2x-7)$

17. _____

18. $-4(6-x)-2(x-6)$

18. _____

Determine whether the given number is a solution to the equation.

19. $-3y-10=-7y+14$; 6

19. _____

20. $5(x-4)=-4(2-2x)$; 4

20. _____

Name _____

Date _____

Additional Exercises 1.7
Form III
Multiplication and Division of Real Numbers

Multiply or divide as indicated.

1. $-18(-4)$ 1. _____

2. $25(-8)$ 2. _____

3. $(-63) \div (-3)$ 3. _____

4. $126 \div (-9)$ 4. _____

5. $(-6.82)(-3.1)$ 5. _____

6. $-\frac{18}{25} \cdot \frac{5}{8}$ 6. _____

7. $-20 \div \frac{4}{5}$ 7. _____

8. $-\frac{8}{9} \div -40$ 8. _____

9. $-15 \div 0$ 9. _____

10. $(-8)(-5)(-2)(-4)(-1)$ 10. _____

Name _____

Date _____

11. $-\frac{5}{6} \cdot 12 \cdot -\frac{3}{4}$

11. _____

12. $(6)(-3)(15)(0)(-4)$

12. _____

13. $-\frac{15}{16} \div -\frac{10}{18}$

13. _____

Simplify each algebraic expression.

14. $-\frac{3}{18}(-18x)$

14. _____

15. $-8(7-4x)$

15. _____

16. $6(5-x) - (12-8x)$

16. _____

17. $-(x-6) - (5-2x)$

17. _____

18. $\frac{1}{4}(4x-8) - \frac{1}{3}(6-9x)$

18. _____

Determine whether the given number is a solution to the equation.

19. $5x - 18 = 14 - 3x ; 4$

19. _____

20. $6(x+2) - 3x = 5(4-x) ; -1$

20. _____