

## Worksheet 7.5

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*Multiplication of Real Numbers.*

*Multiply. See examples on pages 427-428 in text.*

1.  $47 \cdot (-32)$

- A)  $-1,604$       B)  $1,504$       C)  $-1,551$       D)  $-1,504$

2.  $(-27) \cdot (-10)$

- A)  $297$       B)  $170$       C)  $270$       D)  $2700$

3.  $\left(-\frac{13}{5}\right) \cdot \left(\frac{16}{3}\right)$

- A)  $-\frac{29}{2}$       B)  $-\frac{29}{5}$       C)  $-104$       D)  $-\frac{208}{15}$

4.  $(1.8) \cdot (-7.34)$

- A)  $9.24$       B)  $-5.54$       C)  $9.14$       D)  $-13.212$

5.  $(-9)(-5)(-5)$

- A)  $-225$       B)  $-215$       C)  $225$       D)  $90$

6.  $(-4)(-3)(7)$

- A) 74      B) -84      C) 84      D) 184

*Find the numerical value of the expression for  $x = -3$ . See examples on page 429 in text.*

7.  $x^2 - x + 5$

- A) 11      B) 17      C) -7      D) -1

*Find the least common multiple of the set of numbers. See examples on pages 73-74 in text.*

8. 6, 14, 9

- A) 29      B) 756      C) 54      D) 126

*Multiply and Simplify. See examples on page 95 in text.*

9.  $\frac{5}{12} \cdot \frac{24}{35}$

- A)  $\frac{120}{420}$       B)  $\frac{12}{42}$       C)  $\frac{6}{21}$       D)  $\frac{2}{7}$

*Find the prime factorization of the number. See examples on pages 63-64 in text.*

10. 434

- A)  $7 \cdot 7 \cdot 31$       B)  $14 \cdot 31$       C)  $2 \cdot 7 \cdot 31$       D)  $2 \cdot 2 \cdot 31$