1) Simplify $3\sqrt{8} - 6\sqrt{32}$
   
   a) $-4\sqrt{-24}$
   
   b) $-18\sqrt{2}$
   
   c) $-18\sqrt{256}$
   
   d) $-36$

2) Simplify $2 + 7 \times 11 - 12 \div 3$

   a) 29
   
   b) $-3$
   
   c) 75
   
   d) 3

3) Factor Completely $4y^2 + 4y - 15$

   a) $(2y - 3)(2y + 5)$
   
   b) $(2y + 3)(2y - 5)$
   
   c) $(2y - 1)(2y + 5)$
   
   d) $(4y - 15)(2y + 1)$
4) \(-9 - (9x - 6) = 3(4x + 6)\). \(x = \)

   a) 1  
   b) \(\frac{9}{7}\)  
   c) \(-\frac{9}{7}\)  
   d) \(-1\)

5) The perimeter of Tina’s rectangular garden is 60 feet. If the length of the garden is twice the width, what are the dimensions of the garden?

   a) \(w = 20, \ l = 10\)  
   b) \(w = 5, \ l = 25\)  
   c) \(w = 10, \ l = 20\)  
   d) \(w = 15, \ l = 30\)

6) \(-16 \leq 3x + 5 \leq 20\) is equivalent to

   a) \(7 \leq x \leq -5\)  
   b) \(-7 \geq x \geq 5\)  
   c) \(-7 \leq x \leq -5\)  
   d) \(-7 \leq x \leq 5\)
7) The sum of three consecutive odd integers is 231. What is the largest integer?

a) 79  
b) 75  
c) 71  
d) 76

8) \( \frac{12x^2y^3 + 16x^4y + 10xy}{4xy} = \)

a) \( 8x^2y^2 + 12x^3 + 6 \)  
b) \( 3x^4y^4 + 4x^5y^2 + \frac{5}{2}xy \)  
c) \( 3x^2y^2 + 4x^3 + \frac{5}{2} \)  
d) \( 3x^3y^3 + 4x^4y^2 + \frac{5}{2}xy \)

9) \( d(4d)^{\frac{1}{2}} = \)

a) \( 2d^2 \)  
b) \( 2d\sqrt{d} \)  
c) \( 4\sqrt{d} \)  
d) \( 2\sqrt{d} \)
10) If \( a = 3 \) and \( b = -5 \), the value of \( \frac{|-b| - |a|}{-a} \) is

a) \( \frac{2}{3} \)

b) \( -\frac{7}{3} \)

c) \( \frac{7}{3} \)

d) \( -\frac{2}{3} \)

11) \((3x + 2)(5x - 7) = \)

a) \( 15x^2 + 31x + 14 \)

b) \( 15x^2 - 11x - 14 \)

c) \( 15x^2 + 11x - 14 \)

d) \( 15x^2 - 11x + 14 \)
12) \(7(w + 20) - w = 5\), \(w = \)

a) \(\frac{135}{6}\)

b) \(-\frac{5}{2}\)

c) \(\frac{5}{2}\)

d) \(-\frac{135}{6}\)