31. Multiply: $(a + b)(a - b)$

a. $a^2 + 2ab - b^2$
b. $a^2 + b^2$
c. $a^2 - b^2$
d. $a^2 - 2ab - b^2$

32. Simplify $y^{10} \cdot y^5$.

a. y^2
b. y^5
c. y^{15}
d. y^{50}

33. Solve $7(x - 2) = 7x + 14$.

a. no solution
b. 0
c. 2
d. all real numbers

34. Find the slope of the line that contains the points $(1, -1)$ and $(-2, 8)$.

a. -5
b. -3
c. $-\dfrac{7}{3}$
d. $-\dfrac{1}{3}$

35. For $f(x) = 24 - 2x$, find $f(2)$ and find x such that $f(x) = 10$.

a. 28; 12
b. 22; 4
c. 20; 7
d. 22; 7

36. If you graph $y = x^2 - 6x + 9$, the y-intercept of the graph of the equation is ____.

a. -3
b. 9
c. 2
d. 0

31. ANS: C
32. ANS: C
33. ANS: A
34. ANS: B
35. ANS: C
36. ANS: B