

Name: _____

21. Isolate for θ_1
 $n_1 \sin \theta_1 = n_2 \sin \theta_2$

22. Isolate for K
 $F = -kx$

23. Isolate for v_2
 $m_1 v_1 + m_2 v_2 = m_1 v_1 + m_2 v_2$

24. Isolate for d
 $F_{\text{grav}} = \frac{G m_1 m_2}{d^2}$

25. What is the formula for ΔV ?

26. What is the numerical value for gravity? _____

27. Using the formula: $P = 2(L + W)$
Find P when $L = 8''$ and $W = 6''$

28. Reduce $42/70$ to lowest terms.

29. Find the lowest common denominator for: $\frac{2}{3}$ $\frac{1}{6}$ $\frac{3}{4}$

30. Write the answer for 30-32 in lowest terms.

$$4^{2/8} + 1^{5/8} =$$

31. $5/6 - 3/10 =$

32. Write 0.02 as a percent. _____

33. Find the value of n:

$$\frac{8}{n} = \frac{12}{21}$$

34. What is 25% of 50? _____

35. Give the missing number: If a deposit of \$20 = +20 a withdrawal of \$20 = ? _____

Name: EXAM Review

Physics Pretest

* 2017 AP Stats Summer Assignment

○ Circled Problems only

Show work + steps!

1. $23 + 8 + 450 =$ _____

2. $6008 - 463 =$ _____

3. $986 \times 7 =$ _____

4. $20 - 7.46 =$ _____

5. $2.8 \times 8.5 =$ _____

6. $307 \times 408 =$ _____

7. What is the answer to this division problem?

$$7 \overline{) 548}$$

8. Divide 45,779 by 57.

9. Round 4,326,859 to the nearest ten-thousand.

10. What is the lowest common factor of 8 and 12?

11. What is the least common multiple of 6 and 15?

12. Round 1764.2853 to the nearest tenth.

13. Solve for x: $x - 8 = 12$

14. Solve for n:

$$\frac{n}{4} = 12$$

15. Solve for x.

$$4x + 12 = 20$$

16. Write 60890000000 in scientific notation.

17. Write 2.45×10^{-8} in standard notation.

18. Isolate for adjacent

$$\cos \theta = \frac{\text{adjacent}}{\text{hyp}}$$

19. Isolate for t.

$$d = \frac{1}{2} gt^2$$

20. Isolate for g

$$T_D = 2\pi \sqrt{L/g}$$