

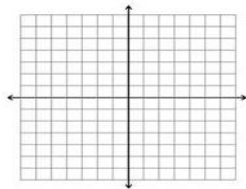
No Calculator

Find videos on each [skill] at [www.AlgebraNinja.com](http://www.AlgebraNinja.com) Name: \_\_\_\_\_ Hour: \_\_\_\_\_

### Basic 20 ACT Prep Version 1

1. Solve  $3x = 8$  [76]

2. Graph the equation  $y = 3x + 1$  [196]



3. Write and solve an equation for the sentence: Two more than three times a number is equivalent to 14. [219]

4. Find the slope given points  $(-3, 2)$  &  $(7, 8)$  [191]

5. Simplify  $\frac{8}{3} \cdot \frac{5}{2}$  [42]

6. Distribute  $3(x - 5)$  [8]

7. Simplify (PEMDAS)  $8(0 + 1)^2 + 5$  [212]

8. Simplify  $-3 + 5$  [5]

9. Solve  $\frac{1}{3}a = 10$  [78]

10. Find the area of a triangle that has a base = 4 and height = 3 [147]

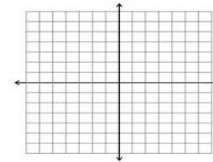
11. If  $f(x) = 9x - 1$ , evaluate at  $x = -2$  [110]

12. Simplify  $3y^2mym^3m5y$  [206]

13. Use Prime factorization to factor 40 [252]

14. Simplify  $\frac{\frac{3}{2}}{\frac{4}{7}}$  [50]

15. Graph the points  $(-7, 1)$  &  $(4, 5)$  [251]



16. Find 3 points on  $f(x) = 3x - 2$  [185]

X	Y

17. Solve  $x + 2x + 5 = 8$  [253]

18. Graph on a number line: "x is greater than or equal to 5." [224]

19. Simplify  $\frac{3}{7} + \frac{1}{3}$  [39]

20. simplify  $-6 - |-3|$  [21]