

No Calculator - 20 Minutes Timed

Find videos on each [skill] at www.AlgebraNinja.com Name: _____ Hour: _____

TMT First 20 ACT Prep V1

1. Multiply $(x + 5)^2$ [61]
2. Factor $x^2 - 7x - 8$ [53]
3. Solve $(3x + 1)(x - 4) = 0$ [85]
4. Simplify $\frac{2}{3} + \frac{4}{5}$ [39]
5. Simplify $\frac{2}{3} \cdot \frac{3}{5}$ [42]
6. Find the following: $2y = 4x + 6$ [135]
Slope:
Y-Intercept:
7. Multiply $(2x - 5)(x + 4)$ [60]
8. Simplify $\frac{5x^3}{15x^1}$ [74]
9. Simplify $\frac{\frac{3}{4}}{\frac{4}{9}}$ [50]
10. Simplify(PEMDAS) $2(3 + 2(x + 1))$ [212]
11. Simplify $(5a^3b^4)^2 \cdot b^2$ [206]
12. Simplify $\frac{-3 \pm 3\sqrt{2}}{3}$ [214]
13. Solve $|x + 3| = 7$ [84]
14. solve $-2n + 1 > -5$ [82]
15. Solve $x^2 + x - 1 = 2$ [88]
16. Simplify $\frac{(x-5)(x+7)}{x^2-25}$ [209]
17. Evaluate $f(x) = 2x^2 - 6$ if $x = -1$ [110]
18. Find the slope if given two points, (1,-2) and (4,8)[210]
19. Factor out the gcf $2x^2 + 4ax - 2x$ [58]
20. Solve. Show 3+ steps of work [89]
 $3 - (2x + 5) = 4x + 7$