

TMT First 20 ACT Prep V5

1. Multiply $(x - 4)^2$ [61]
2. Find the slope if given two points, (-8, 7) and (2,8)[210]
3. Solve $|x - 9| = 24$ [84]
4. Evaluate $f(x) = -2x^2 - x + 2$ if $x = -1$ [110]
5. Simplify $\frac{2}{15} \cdot \frac{5}{7}$ [42]
6. Simplify $\frac{-6 \pm 6\sqrt{2}}{4}$ [214]
7. Multiply $(2x - 10)(x + 1)$ [60]
8. Solve. Show 3+ steps of work [89]
 $-5 - (x + 1) = 9x + 5$
9. Simplify $\frac{\frac{2}{5}}{\frac{3}{7}}$ [50]
10. Factor out a GCF $2x^2 - 14x + 2ax$ [58]
11. Simplify $(2a^3b^7)^2 \cdot b^9$ [206]
12. Find the following: $8y = 4x - 8$ [135]
Slope:
Y-Intercept: (,)
13. Solve $(5x + 1)(x - 9) = 0$ [85]
14. Solve $-2n - 4 < -7$ [82]
15. Solve $x^2 - 9x - 1 = 1$ [88]
16. Simplify $\frac{(x-5)(x+12)}{x^2-25}$ [209]
17. Simplify $\frac{2}{11} + \frac{5}{2}$ [39]
18. Factor $x^2 + 8x - 9$ [53]
19. Simplify(PEMDAS) $5(3 - 2(x + 3))$ [212]
20. Simplify $\frac{6x^2}{40x^3}$ [74]