

No Calculator

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TMT First 20 ACT Version 1

1. Multiply $(x + 5)^2$ [211]

2. Factor $x^2 - 7x - 8$ [203]

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. Simplify $\frac{2}{3} \div \frac{4}{5}$ [204]

7. Solve $A = lw$ for w [205]

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 $(5a^3b^4)^2$ [206]

12. Simplify $\frac{-3 \pm 3\sqrt{2}}{3}$ [214]

13. Solve $|x + 3| = 7$ [84]

14. Clear fractions, solve $\frac{2}{3}a = 3$ [207]

15. Solve $x^2 = 25$ [208]

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. Simplify $(x + 2)(x^2 + 2x - 3)$ [230]

20. Solve. Show 3+ steps of work [89]
 $3 - (2x + 5) = 4x + 7$