

No Calculator

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TMT First 20 ACT Version 5

1. Multiply $(x + 7)^2$ [211]

2. Factor $x^2 + 6x + 5$ [203]

3. Solve $(3x - 2)(x + 9) = 0$ [85]

4. Simplify $\frac{2}{3} + \frac{5}{7}$ [39]

5. Simplify $\frac{2}{3} \cdot \frac{6}{5}$ [42]

6. Simplify $\frac{2}{3} \div \frac{4}{7}$ [204]

7. Solve $F = ma$ for a [205]

8. Simplify $\frac{3x^7}{15x^3}$ [74]

9. Simplify $\frac{\frac{1}{4}}{\frac{4}{11}}$ [50]

10. Simplify (PEMDAS) $3(3 - 4(x + 1))$ [212]

11. Simplify $(2a^7b^2)^3$ [206]

12. Simplify $\frac{-2 \pm 2\sqrt{2}}{4}$ [214]

13. Solve $|x - 2| = 8$ [84]

14. Clear fractions, solve $\frac{3}{5}a = 2$ [207]

15. Solve $x^2 = 36$ [208]

16. Simplify $\frac{(x-5)(x+7)}{x^2-49}$ [209]

17. Evaluate $f(x) = 3x^2 + 2$ if $x = -2$
[110]

18. Find the slope if given two points, (-1, 2)
and (5,7)[210]

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

20. Solve. Show 3+ steps of work [89]
 $5 - (2x - 1) = 3x + 7$