

TMT V4 Top 20 Algebra Prep

1. Simplify $\frac{3x^2-14x-24}{x^2-36}$ [209]

2. Solve $6x^2 + 2x - 4 = 0$ [85]

3. Simplify $\frac{2}{5} \cdot \frac{1}{6}$ [42]

4. Simplify $(4a + 2n)^2$ [211]

5. Simplify $\frac{18x^{11}y^2}{12x^2y}$ [74]

6. Multiply $(x^2 + 2x - 3)(x - 7)$ [213]

7. Find the distance between (-2,0) & (3,8) [217]

8. Simplify (PEMDAS) $-8(x - 2)^2 + 1$ [212]

9. Simplify $(5a^2b^3)^3 \cdot 2(a^3b^4)$ [206]

10. Write an equation using (-1,-9) & (-5,-2) [210]

11. Solve $(x - 3)^2 = 17$ [208]

12. Find 3 points on $f(x) = -x^2 + 5x - 1$ [271]

X	Y

13. Clear fractions, solve $\frac{3}{8}a + 1 = \frac{1}{3}$ [207]

14. Given $f(x) = -3x^2 - 5x - 1$, find $f(-2)$ [231]

15. Simplify $\frac{\frac{3}{8}}{\frac{2}{3}}$ [50]

16. Simplify $\frac{-6 \pm \sqrt{8}}{10}$ [214]

17. Find the midpoint given (5,1) & (-3,7) [218]

18. Solve. Show 3+ steps of work [89]
 $-(x + 7) - 3(x + 6) = 3x + 6$

19. Solve $F = ma$ for m [205]

20. Simplify $2\frac{3}{8} + \frac{1}{3}$ [272]