

TMT V1 Top 20 Algebra Prep

1. Multiply $(x^2 - 5x + 3)(x - 5)$ [213]
2. Find the midpoint given (6,2) & (4,10) [218]
3. Solve $4x^2 - 14x - 8 = 0$ [85]
4. Simplify $\frac{10}{3} \cdot \frac{4}{5}$ [42]
5. Solve $(x - 3)^2 = 7$ [208]
6. Solve $P = 2l + 2w$ for w [205]
7. Simplify (PEMDAS) $3(x + 2)^2 + 3$ [212]
8. Simplify $(2a^3b^4)^2 \cdot 8(a^5b^2)$ [206]
9. Clear fractions, solve $\frac{2}{3}a + 3 = \frac{1}{5}$ [207]
10. Simplify $\frac{x^2+2x-35}{x^2-25}$ [209]

11. Given $f(x) = 2x^2 + 3x - 6$, find $f(-1)$ [231]
 12. Simplify $\frac{5x^2y}{10x^6}$ [74]
 13. Simplify $(2x + 5a)^2$ [211]
 14. Simplify $\frac{\frac{3}{4}}{\frac{4}{9}}$ [50]
 15. Find the distance between (1,3) & (-2,5) [217]
 16. Find 3 points on $f(x) = 2x^2 + x - 4$ [271]
- | X | Y |
|---|---|
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17. Solve. Show 3+ steps of work [89]
 $2(3x - 2) - (x + 5) = 4x + 7$
 18. Simplify $\frac{-3 \pm \sqrt{27}}{3}$ [214]
 19. Simplify $\frac{2}{3} + 2\frac{4}{5}$ [272]
 20. Write an equation using (2,4) & (-4,7) [210]