

Solve

1. $x^2 + 7x + 12 = 0$

2. $5(x - 2)^2 = 180$

3. $9^{x+6} = 3^{3x}$

4. $\sqrt[3]{3x + 4} = 7$

Factor Completely

5. $x^2 - 12x + 20$

6. $6x^2 + 7x - 5$

7. $25x^2 - 16$

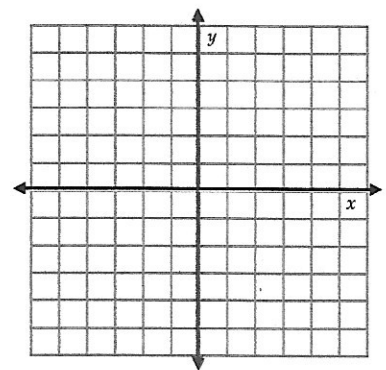
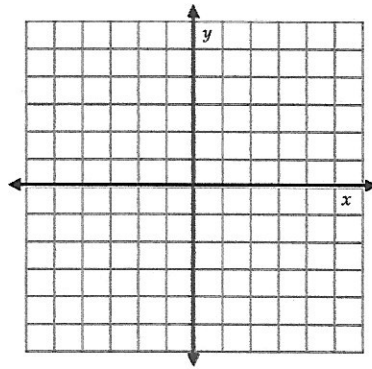
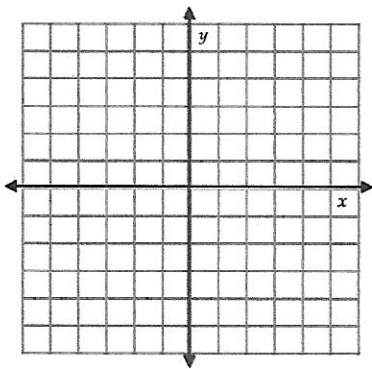
8. $x^3 + 2x^2 - 9x - 18$

Graph

9. $y = -\frac{1}{3}x + 6$

10. $4x + 2y = 8$

11. $y = 3(x - 2)^2 + 1$



12. $y = 2(x - 3)(x + 1)$

13. $y = -2|x + 1| - 3$

14. $x^2 + y^2 = 16$

