

HW47: Factoring by Grouping

Factor each completely.

1) $50x^3 - 15x^2 - 120x + 36$

2) $10x^3 - 7x^2 + 110x - 77$

3) $20n^3 - 50n^2 - 22n + 55$

4) $6b^3 + 72b^2 + 11b + 132$

5) $108a^3 + 84a^2 + 9a + 7$

6) $120k^3 - 70k^2 + 720k - 420$

7) $8n^3 + 80n^2 + 7n + 70$

8) $30m^5 - 150m^4 + 80m^3 - 400m^2$

9) $14n^3 + 20n^2 - 35n - 50$

10) $30x^3 + 10x^2 + 3x + 1$

11) $175n^3 + 75n^2 + 315n + 135$

12) $22b^3 + 11b^2 - 4b - 2$

13) $77b^3 + 42b^2 - 44b - 24$

14) $70m^3 + 20m^2 + 21m + 6$

15) $240b^4 - 300b^3 + 528b^2 - 660b$

16) $756m^3 - 336m^2 + 315m - 140$

17) $15p^3 - 27p^2 - 50p + 90$

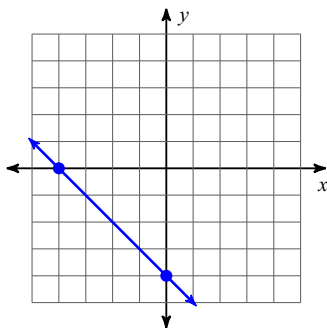
18) $56a^3 + 672a^2 + 72a + 864$

19) $44b^3 - 4b^2 + 77b - 7$

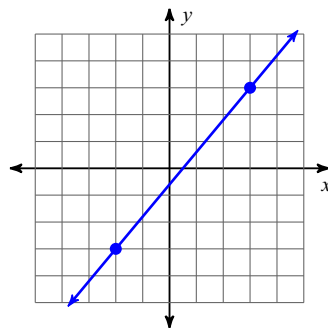
20) $33x^3 + 15x^2 - 11x - 5$

Find the slope of each line.

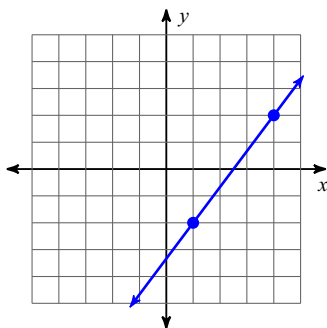
21)



22)



23)



24)

