Basic Simplify Practice #3

1. $7 \times 4k^2$
2. $x^4 - 2x^4$
3. $x + 4$
4. $6y^2 \div 2y$
5. $8 \div 2g^3$
6. $3x^2 - 12x^2$
7. $3k - 4k$
8. $2x \times 4y$
9. $2x^3 \times y$
10. $2y^2 + 4y$
11. $y^3 \div 2y$
12. $4x \times 2x^2$
13. $x^2 - 4x^2$
14. $k \times k \times k$
15. $3k - 7k$
16. $2k^4 + 3k^4$
17. $4 \div 4y^2$
18. $6 \times 5x$
19. $3x^3 + 2x^3$
20. $2y \div 4y^2$
21. $3x^4 \times 2x^3$
22. $g \times 5$
23. $x^2 - 4x^2$
24. $4y^3 + 4y$
25. $4k^3 \times 2x$
26. $2y^4 \div 3y^4$
27. $x + 3x$
28. $x^2 \times 4y^3$
29. $4x^3 \div 5x =$
30. $2x \times 4y$
31. $x^3 \times 6$
32. $k + k$
33. $3k \times 4k$
34. $2f \div 2y$
35. $2y^2 \times 3x^3$
36. $3k^3 + 4k^3$
37. $y - 3y$
38. $3k^3 \times 2$
39. $5x \times 2x^4$
40. $3x^2 \times 2x^3$

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Answers: Basic Simplify Practice #3

1.	$7 \times 4k^2 =$	$28k^2$	21.	$3x^4 \times 2x^3 =$	$6x^7$
2.	$x^4 - 2x^4 =$	$-x^4$ (or $^-1x^4$)	22.	$g \times 5 =$	$5g$
3.	$x + 4 =$	*no change*	23.	$x^2 - 4x^2 =$	$^-3x^2$
4.	$6y^2 \div 2y =$	$3y$	24.	$4y^3 + 4y =$	*no change*
5.	$8 \div 2g^3 =$	$\frac{4}{g^3}$ or $4g^{-3}$	25.	$4k^3 \times 2x =$	$8k^3x$
6.	$3x^2 - 12x^2 =$	$^-9x^2$	26.	$2y^4 \div 3y^4 =$	$\frac{2}{3}$
7.	$3k - 4k =$	^-k (or ^-1k)	27.	$x + 3x =$	$4x$
8.	$2x \times 4y =$	$8xy$	28.	$x^2 \times 4y^3 =$	$4x^2y^3$
9.	$2x^3 \times y =$	$2x^3y$	29.	$4x^3 \div 5x =$	$\frac{4x^2}{5}$ or $0.8x^2$
10.	$2y^2 + 4y =$	*no change*	30.	$2x \times 4y =$	$8xy$
11.	$y^3 \div 2y =$	$\frac{y^2}{2}$ or $0.5y^2$	31.	$x^3 \times 6 =$	$6x^3$
12.	$4x \times 2x^2 =$	$8x^3$	32.	$k + k =$	$2k$
13.	$x^2 - 4x^2 =$	$^-3x^2$	33.	$3k \times 4k =$	$12k^2$
14.	$k \times k \times k =$	k^3	34.	$2f \div 2y =$	$\frac{f}{y}$ or fy^{-1}
15.	$3k - 7k =$	^-4k	35.	$y^2 \div 2y^2 =$	$\frac{1}{2}$
16.	$2k^4 + 3k^4 =$	$5k^4$	36.	$4k^4 - k^4 =$	$3k^4$
17.	$4 \div 4y^2 =$	$\frac{1}{y^2}$ or y^{-2}	37.	$y - 3y =$	^-2y
18.	$6 \times 5x =$	$30x$	38.	$3k^3 \times 2 =$	$6k^3$
19.	$3x^3 + 2x^3 =$	$5x^3$	39.	$5x \times 2x^4 =$	$10x^5$
20.	$2y \div 4y^2 =$	$\frac{1}{2y}$ or $0.5y^{-1}$	40.	$3x^2 \times 2x^3 =$	$6x^5$

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