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| **More Binomial Expansion** |
| **(a)** Expand and simplify $(x-2)^{6}$$$ 1×x^{6}×(-2)^{0}$$$$+6×x^{5}×(-2)^{1}$$ | **(b)** Expand and simplify $\left(3x+\frac{1}{2}\right)^{4}$ $1×(3x)^{4}×\left(\frac{1}{2}\right)^{0}$ |
| **(c)** Expand and simplify $(x^{2}+5)^{3}$ | **(d)** Expand and simplify $\left(\frac{x}{3}-1\right)^{5}$ |
| **(e)** Expand and simplify $\left(\frac{3}{2}-5y\right)^{4}$ | **(f)** Expand and simplify $\left(2x-\sqrt{3}\right)^{3}$ |