(a) Find the coefficient of the $x^{2}$ term in the expansion of $(2+x)^{3}$
(b) Find the coefficient of the $x^{3}$ term in the expansion of $(1+2 x)^{4}$
(c) Find the coefficient of the $x$ term in the expansion of $(2+3 x)^{5}$
(d) Find the coefficient of the $x^{2}$ term in the expansion of $(1-3 x)^{6}$
(a) Find the coefficient of the $x$ term in the expansion of $(4-3 x)^{5}$
(b) Find the coefficient of the $x^{2}$ term in the expansion of $(x+5)^{6}$
(c) Find the coefficient of the $x^{3}$ term in the expansion of $(2 x-1)^{4}$
(d) Find the coefficient of the $x^{2}$ term in the expansion of $(\sqrt{2}+x)^{5}$
(a) The coefficient of the $x^{5}$ term in the expansion of $(a+x)^{7}$ is 84 . Given that $a$ is positive, find its value.
(b) The coefficient of the $x^{3}$ term in the expansion of $(3-b x)^{5}$ is -2430 . Find the value of $b$.
(a) In the expansion of $(2+a x)^{4}$ the coefficient of the $x^{2}$ term is three times the coefficient of the $x$ term. Find the value of $a$.
(b) In the expansion of $\left(\frac{x}{2}+b\right)^{5}$ the coefficient of the $x^{2}$ term is 72 times the coefficient of the $x^{4}$ term. Find the two possible values of $b$.
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