

ANSWERS

[1]	[a]	1×10^{10}	[b]	2.38×10^8	[c]	3.2×10^{-8}		
[2]	[a]	0.000000412	[b]	927,000				
[3]	[a]	b^{21}	[b]	g^{12}	[c]	k^8		
[4]	[a]	$\frac{1}{m^6}$	[b]	$\frac{s^3}{r^5}$	[c]	$\frac{3}{v^7}$		
[5]	[a]	$j^{\frac{8}{5}}$	[b]	$e^{\frac{11}{4}}$	[c]	$w^{\frac{5}{2}}$	[d]	$f^{\frac{9}{2}}$
	[f]	$u^{-\frac{5}{2}}$					[e]	$z^{\frac{1}{7}}$
[6]	[a]	$7\sqrt{2}$	[b]	$6\sqrt{3}$	[c]	q^7	[d]	h^4
	[f]	$t^{\frac{11}{15}}$	[g]	$a^{\frac{7}{15}}$	[h]	$7y^{-3}$	[i]	$d^{-\frac{1}{9}}j^{\frac{1}{10}}$
	[k]	$13\sqrt{7}$	[l]	$-5\sqrt{6}$	[m]	$2\sqrt{3}$	[n]	$-x^3\sqrt{2x}$
	[p]	$m^{\frac{20}{3}}$	[q]	$r^{\frac{7}{4}}$	[r]	$12-3\sqrt{2}$	[o]	$6\sqrt{15}$
[7]	[a]	$\frac{\sqrt{5}}{15}$	[b]	$\frac{2\sqrt{6}}{21}$	[c]	$9-3\sqrt{7}$		
[8]	[a]	$2\sqrt{2}$	[b]	$\frac{\sqrt{3}}{6}$				
[9]	[a]	$s^{\frac{7}{4}}$	[b]	$v^{\frac{2}{15}}$				
[10]	[a]	$j=27$	[b]	$u=2$	[c]	$f=32$	[d]	$w=9$
	[f]	$q=-2$					[e]	$z=-5$
[11]	[a]	$6h^3\sqrt{2h}$	[b]	$2c^4t^5y^3\sqrt{5t}$	[c]	$10a^7\sqrt{3a}$	[d]	$25-3y$
							[e]	$\frac{\sqrt{3}j}{8d^3j}$
[12]		$3\sqrt{10} \approx 9.487$						
[13]	[a]	9.271	[b]	29.124	[c]	5.657	[d]	12.083