

Max/Min of trig.functions (degrees)

In each example below state the maximum and the minimum values of the function **and** the values of x for which these max/min values occur;
for x in the range $0 \leq x \leq 360^\circ$

1	$y = 6\cos x$	13	$y = 3.8\sin x$
2	$y = 5\sin x$	14	$y = 2.7\cos x$
3	$y = 7\sin(x - 38^\circ)$	15	$y = 5\sin(x - 60^\circ)$
4	$y = 2.5\cos(x + 40^\circ)$	16	$y = 8\cos(x + 70^\circ)$

5	$y = 5.6\sin(x - 85^\circ)$	17	$y = 3.2\sin(x - 66^\circ)$
6	$y = 0.8\cos(x - 120^\circ)$	18	$y = 5.8\cos(x - 140^\circ)$
7	$y = 4.8\sin(x + 25^\circ)$	19	$y = 2.7\sin(x + 200^\circ)$
8	$y = 12\cos(x - 145^\circ)$	20	$y = 10\cos(x - 100^\circ)$
9	$y = 2\sin(x - 210^\circ)$	21	$y = 5\sin(x - 90^\circ)$

10	$y = 3.7\cos(x + 45^\circ)$	22	$y = \cos(x + 60^\circ)$
11	$y = 8.4\sin(x - 120^\circ)$	23	$y = 2\sin(x - 20^\circ)$
12	$y = 9.7\cos(x - 80^\circ)$	24	$y = 6.7\cos(x - 45^\circ)$