TABLE 2 EQUATIONS FOR MOTION WITH CONSTANT ACCELERATION[a]

Equation Number	Equation	Contains				
		x	v_0	v	a	t
15	$v = v_0 + at$	✗	✓	✓	✓	✓
19	$x = x_0 + v_0 t + \frac{1}{2}at^2$	✓	✓	✗	✓	✓
20	$v^2 = v_0^2 + 2a(x - x_0)$	✓	✓	✓	✓	✗
21	$x = x_0 + \frac{1}{2}(v_0 + v)t$	✓	✓	✓	✗	✓
22	$x = x_0 + vt - \frac{1}{2}at^2$	✓	✗	✓	✓	✓

[a] Make sure that the acceleration is indeed constant before using the equations in this table.