

Given the formula

$$v = u + at$$

Find the value of v when:

a) $u = 8, a = 6$ and $t = 10$

$$v = u + at$$

$$v = (\quad) + (\quad)(\quad)$$

$$v = \quad + \quad$$

$$v = \quad$$

b) $u = 12, a = 4$ and $t = 8$

$$v = u + at$$

$$v = (\quad) + (\quad)(\quad)$$

$$v = \quad + \quad$$

$$v = \quad$$

c) $u = 25, a = -2$ and $t = 8$

$$v = u + at$$

$$v = (\quad) + (\quad)(\quad)$$

$$v = \quad$$

$$v = \quad$$

d) $u = 0, a = 6$ and $t = 30$

$$v = u + at$$

$$v = (\quad) + (\quad)(\quad)$$

$$v = \quad$$

$$v = \quad$$

Given the formula

$$s = ut + \frac{1}{2}at^2$$

Find the value of s when:

a) $u = 5, t = 10$ and $a = 4$

$$s = ut + \frac{1}{2}at^2$$

$$s = (\quad)(\quad) + \frac{1}{2}(\quad)(\quad)^2$$

$$s = (\quad) + \frac{1}{2}(\quad)(\quad)$$

$$s = \quad +$$

$$s =$$

b) $u = 0, t = 5$ and $a = 2$

$$s = ut + \frac{1}{2}at^2$$

$$s = (\quad)(\quad) + \frac{1}{2}(\quad)(\quad)^2$$

$$s = (\quad) + \frac{1}{2}(\quad)(\quad)$$

$$s = \quad +$$

$$s =$$

c) $u = 8, t = 5$ and $a = 10$

$$s = ut + \frac{1}{2}at^2$$

$$s = (\quad)(\quad) + \frac{1}{2}(\quad)(\quad)^2$$

$$s = (\quad) + \frac{1}{2}(\quad)(\quad)$$

$$s = \quad +$$

$$s =$$

d) $u = 0, a = 0$

$$s = ut + \frac{1}{2}at^2$$

$$s = (\quad)(\quad) + \frac{1}{2}(\quad)(\quad)^2$$

$$s = \quad +$$

$$s =$$