

22. $C = kA$

$$23.75 = k(5)$$

$$4.75 = k$$

Therefore we have the linear function

$$C(A) = 4.75A + 0 = 4.75A.$$

If $A = 3.5$, then $C = (4.75)(3.5) = \$16.63$.

4pts

24. $v = kt$

$$64 = k(2)$$

$$k = 32$$

In 3 seconds, $v = (32)(3) = 96$ feet per second

4pts

2pts context.