



*Figure 53*

- 53** The graph will be piecewise linear because there are two different rates of pay. During the first 8 hours the person earns a constant rate of \$8.00 per hour. In 8 hours the individual will earn \$64. Graph a line segment connecting the points  $(0, 0)$  and  $(8, 64)$ . After working 8 hours in one day, the person earns  $1.5 \times 8 = \$12.00$  for each additional hour. In 12 hours the person will earn  $\$64 + 4 \times \$12 = \$112$ . Graph a line segment between  $(8, 64)$  and  $(12, 112)$ . See *Figure 53*.