A company produces stuffed panda bears. The company’s cost of producing \( x \) panda bears in one month is \( C(x) = 20,000 + 1.25x \).

d.) Determine the cost to produce 30,000 stuffed panda bears.

\[
C(30,000) = 20,000 + 1.25(30,000) = 20,000 + 37,500 = \$57,500.
\]

e.) Determine how many panda bears can be produced for $30,000.

Set \( C(x) = 30,000 \) and solve for \( x \).

\[
30,000 = 20,000 + 1.25x \Rightarrow 10,000 = 1.25x \\
\text{So, } x = 10,000/1.25 = 8,000 \text{ panda bears.} 
\]