

The hose will add 10 gallons after one minute,  $10 \cdot 2 = 20$  gallons after two minutes,  $10 \cdot 3 = 30$  gallons after three minutes, or  $10x$  gallons after  $x$  minutes. Since the container already has 25 gallons in it, the total amount of water in the container will be  $y = 10x + 25$  after  $x$  minutes.