

Correct. Because the problem says "directly proportional," the equation to use is $y = kx$, where y is the cost and x is the number of square feet.

Solve $120,000 = k(1,500)$ for k . This gives you $k = 80$.

Then for $x = 2,400$: $y = 80(2,400)$ or $y = 192,000$