

Cost calculations including 3-D printer material

Group _____ Class _____ Project _____

Cost Analysis-Compute the prototype cost based on the \$3.45 per cubic inch for the ABS plastic and \$3.05 for the support material used. Also find a cost for labor cost based on printing times X the following labor rates.

Material Cost- The cost of raw material of ABS modeling and PLA support plastic.

Modeling Material = _____ in³ @ \$3.45 per cubic inch = \$ _____

Support Material = _____ in³ @ \$3.05 per cubic inch = \$ _____

TOTAL MATERIAL COST = _____

Manufacturing Cost- The cost of machine run time for total parts.

Northeast U.S.A. _____ Hrs. X \$28.49/hr = _____ + material cost _____ = \$ per part _____

Southeast U.S.A. _____ Hrs. X \$18.73/hr = _____ + material cost _____ = \$ per part _____

Puerto Rico _____ Hrs. X \$14.50/hr = _____ + material cost _____ = \$ per part _____

Mexico _____ Hrs. X \$ 8.73/hr = _____ + material cost _____ = \$ per part _____

China _____ Hrs. X \$1.66/hr = _____ + material cost _____ = \$ per part _____

India _____ Hrs. X \$.92/hr = _____ + material cost _____ = \$ per part _____

TOTAL COST OF THE PRODUCT = \$ _____

MARKET PRICE OF THE PRODUCT = \$ _____

PROFIT PERCENTAGE FOR EACH UNIT = _____

List any design changes below before the final 3-d model is to be printed to be printed.

1. _____

2. _____

3. _____
