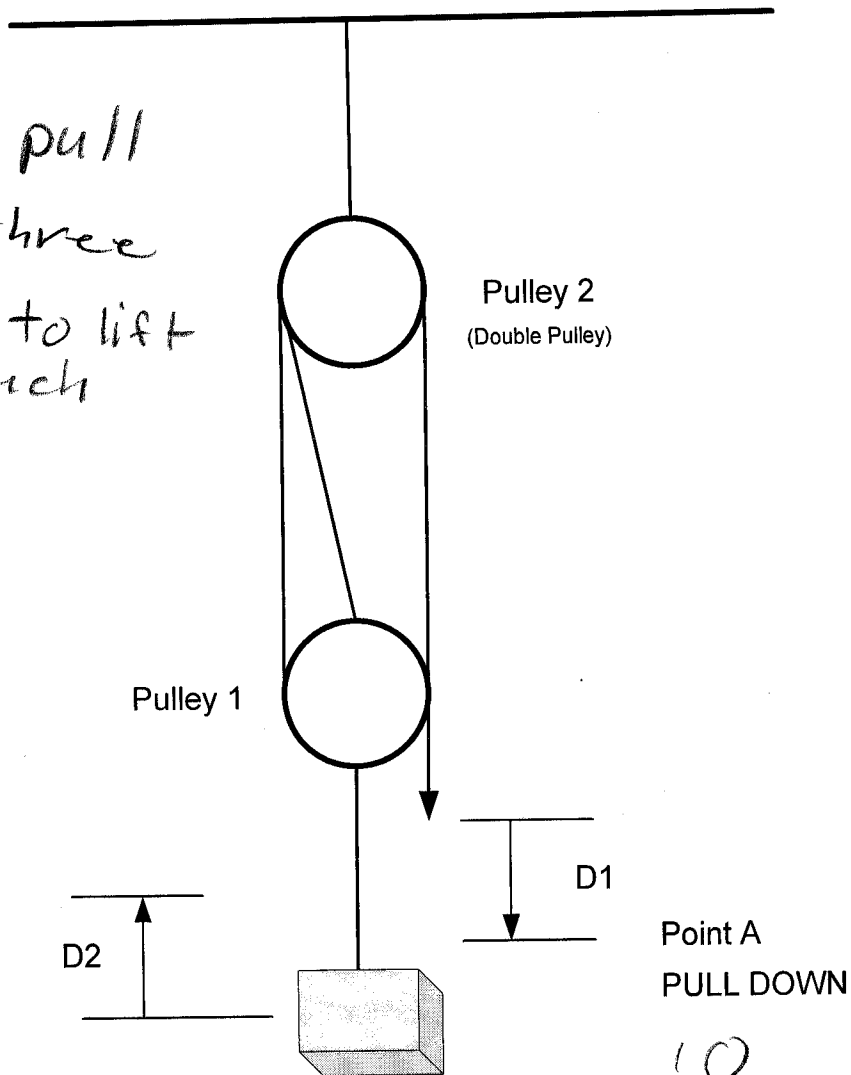


PULLEYS, FORCE AND DISTANCE,
Part D

INSTRUCTIONS: Pull rope straight down at Point A and write down how much you pull the rope, D1, down to make the weight go up some distance, D2.

you need to pull
the rope three
times more to lift
up twice as much
the weight



DISTANCE DATA

| D1 (cm) | D2 (cm) | D1/D2 |
|---------|---------|-------|
| 0 | 0.0 | 0.0 |
| 10 | 3.2 | 3.13 |
| 20 | 3.2 | 3.13 |
| 30 | 3.4 | 2.94 |
| | | |
| | | |
| | | |
| | | |

10
÷ 3.2

3.13

10
÷ 3.2

3.13

10
÷ 3.4

2.94

~~10~~