

Ryan Fahrenkrug

MECH 105

Homework 14

10/9/2017

```
% Pit composition in percent
A=[55 30 15;25 45 30; 25 20 55];
% Amount of sand, fine gravel and coarse gravel needed [m^3]
B=[4800;5800;5700];
X=A.\B;
fprintf('%2.2f cubic meters from pit 1.\n',X(1))
```

87.27 cubic meters from pit 1.

```
fprintf('%2.2f cubic meters from pit 2.\n',X(2))
```

232.00 cubic meters from pit 2.

```
fprintf('%2.2f cubic meters from pit 3.\n',X(3))
```

228.00 cubic meters from pit 3.