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ME261

8/29/2025

**Homework 1**

**1.**

>> r1 = 5;

>> r2 = 7;

>> r3 = 8;

>> RT = 1/((1/r1)+(1/r2)+(1/r3))

RT = 2.1374

**2.**

>> sind(90)

ans = 1

**3.**

>> sqrt(19)

ans = 4.3589

>> 3^(1.2)

ans =3.7372

>> tan(pi)

ans = -1.2246e-16

**4.**

a.

>> rand(1)

ans = 0.1419

b.

>> rand(1)\*20

ans = 8.6497

c.

>> rand(1)\*30 + 20

ans = 23.2927

d.

>> randi(10)

ans = 8

e.

>> randi(50) + 50

ans = 89