

1.25 Exercise. *Illustrate the Division Algorithm for:*

1. $m = 25, n = 7$.

$$25 = 7(3) + 4 \text{ where } q = 3, r = 4.$$

2. $m = 277, n = 4$.

$$227 = 4(69) + 1 \text{ where } q = 69, r = 1.$$

3. $m = 33, n = 11$.

$$33 = 11(3) + 0 \text{ where } q = 3, r = 0.$$

4. $m = 33, n = 45$.

$$33 = 45(0) + 33 \text{ where } q = 0, r = 33.$$