

I.rész

$$1. \int \frac{1}{t+2} dt, \quad 2. \int \frac{1-p}{2-p} dp, \quad 3. \int \frac{1}{4y^2+1} dy, \quad 4. \int \frac{1}{u^2+2u+1} du, \quad 5. \int \frac{3t^2+t}{2t^3+t^2+1} dt,$$
$$6. \int \frac{x^2-x}{x+1} dx, \quad 7. \int \frac{s^3+2s^2+s}{s+2} ds, \quad 8. \int \frac{s^3+2s^2+s}{s^2+1} ds.$$

II. rész

$$1. \int \frac{2t+1}{t^2+t-2} dt, \quad 2. \int \frac{2t-1}{t^2+t-2} dt, \quad 3. \int \frac{1}{t^2+t-2} dt,$$
$$4. \int \frac{x+1}{x^2-6x+9} dx, \quad 5. \int \frac{1}{u^3+u^2} du, \quad 6. \int \frac{1}{y^3-y} dy.$$

III. rész

$$1. \int \frac{p+2}{p^2+4p+5} dp, \quad 2. \int \frac{1}{p^2+4p+5} dp, \quad 3. \int \frac{p}{p^2+4p+5} dp,$$
$$4. \int \frac{1}{v^3+v} dv, \quad 5. \int \frac{v+1}{v^3+v} dv.$$