## Oefeningen niveau 1

**Oefening 1.** Bereken de afgeleide van volgende veeltermen

1. $\frac{\mathrm{d}}{\mathrm{d}x}(1) = 0$
2. $\frac{\mathrm{d}}{\mathrm{d}x}(x) = 1$
3. $\frac{\mathrm{d}}{\mathrm{d}x}\left(x^2\right) = 2x$
4. $\frac{\mathrm{d}}{\mathrm{d}x}\left(x^3\right) = 3x^2$
5. $\frac{\mathrm{d}}{\mathrm{d}x}\left(x^4\right) = 4x^3$
6. $\frac{\mathrm{d}}{\mathrm{d}x}\left(x^5\right) = 5x^4$

**Oefening 2.** Bereken de afgeleide van volgende veeltermen

1. $\frac{\mathrm{d}}{\mathrm{d}x}(x+1) = 1$
2. $\frac{\mathrm{d}}{\mathrm{d}x}(x+2) = 1$
3. $\frac{\mathrm{d}}{\mathrm{d}x}(x+3) = 1$
4. $\frac{\mathrm{d}}{\mathrm{d}x}(2x+1) = 2$
5. $\frac{\mathrm{d}}{\mathrm{d}x}(2x+2) = 2$
6. $\frac{\mathrm{d}}{\mathrm{d}x}(2x+3) = 2$
7. $\frac{\mathrm{d}}{\mathrm{d}x}(3x+1) = 3$

**Oefening 3.** Bereken de afgeleide van volgende veeltermen

1. $\frac{\mathrm{d}}{\mathrm{d}x}\left(x^2+1\right) = 2x$
2. $\frac{\mathrm{d}}{\mathrm{d}x}\left(x^2+2\right) = 2x$
3. $\frac{\mathrm{d}}{\mathrm{d}x}\left(x^2+x\right) = 2x+1$
4. $\frac{\mathrm{d}}{\mathrm{d}x}\left(x^2+2x\right) = 2x+2$
5. $\frac{\mathrm{d}}{\mathrm{d}x}\left(x^2+x+1\right) = 2x+1$
6. $\frac{\mathrm{d}}{\mathrm{d}x}\left(x^2+x+2\right) = 2x+1$

**Oefening 4.** Bereken de afgeleide van volgende veeltermen

1. $\frac{\mathrm{d}}{\mathrm{d}x}\left(2x^2\right) = 4x$
2. $\frac{\mathrm{d}}{\mathrm{d}x}\left(2x^2+1\right) = 4x$
3. $\frac{\mathrm{d}}{\mathrm{d}x}\left(2x^2+x\right) = 4x+1$
4. $\frac{\mathrm{d}}{\mathrm{d}x}\left(2x^2+x+1\right) = 4x+1$
5. $\frac{\mathrm{d}}{\mathrm{d}x}\left(2x^2+2x+1\right) = 4x+2$
6. $\frac{\mathrm{d}}{\mathrm{d}x}\left(2x^2+\pi x+1\right) = 4x+\pi$