34.8. $\frac{1}{6}c^3\frac{1-3\cos^2\alpha}{(1+\cos^2\alpha)\sin\alpha}\sqrt{\cos\alpha}$. Zadanie ma sens, gdy $\cos\alpha < \frac{\sqrt{3}}{3}$.

35.1. $4,\ -\frac{4}{3},\ \frac{4}{9},\ -\frac{4}{27},\ldots$

35.2. $\frac{2\sqrt{3}-1}{5}$.

35.3. $\frac{a}{2}$.

35.5. $\frac{\pi}{4}+k\frac{\pi}{2}$ lub $\frac{\pi}{6}+k\pi$ lub $\frac{5\pi}{6}+k\pi,\ \ k\in\mathbf{Z}$.

35.6. $(x+4)^2+(y-1)^2=13$.

35.7. $\frac{2rd^3}{4r^2+d^2}$.

35.8. $m\in\left[-\frac{1}{2},\frac{1}{2}\right)\cup\{1\}$.