

Figure 1: Oppg ave 1

LF 2

Oppg ave 1: Skissa finn du over.

Oppg ave 2: a) $r = 1, \theta = \frac{\pi}{2}$, $r = 1, \theta = \frac{3\pi}{2}$, $r = 3, \theta = \pi$, $r = \sqrt{2}, \theta = \frac{\pi}{4}$,

b) $r = 2\sqrt{2}, \theta = \frac{7\pi}{4}$, $r = 18\sqrt{3}, \theta = \frac{11\pi}{6}$, $r = \sqrt{5}, \theta = 1.107$

Oppg ave 3: a) $4i, \frac{1+i}{\sqrt{2}}, -3$ b) $\sqrt{3} + i, -\left(\frac{1}{2} + \frac{\sqrt{3}}{2}i\right)$

Oppg ave 4: $6\left(\cos\left(\frac{\pi}{2}\right) + i\sin\left(\frac{\pi}{2}\right)\right) = 6i$, $3\left(\cos\left(\frac{3\pi}{4}\right) + i\sin\left(\frac{3\pi}{4}\right)\right) = -3\frac{i-1}{\sqrt{2}}$

Oppg ave 5: Sj a figuren. Dette er d omet for $z = 1 + \sqrt{3}i$.

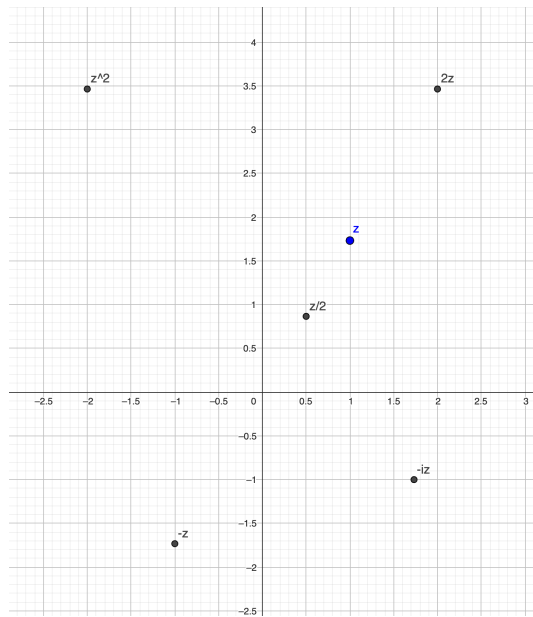


Figure 2: Oppgave 5